Nevada
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DOE/NV--1178

National Nuclear Security Administration

Closure Report for Corrective Action Unit 168: Area 25 and 26 Contaminated Materials and Waste Dumps, Nevada Test Site, Nevada

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Environmental Restoration
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U.S. Department of Energy
National Nuclear Security Administration
Nevada Site Office

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CLOSURE REPORT FOR CORRECTIVE ACTION UNIT 168: AREA 25 AND 26 CONTAMINATED MATERIALS AND WASTE DUMPS, NEVADA TEST SITE, NEVADA

U.S. Department of Energy
National Nuclear Security Administration
Nevada Site Office
Las Vegas, Nevada

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CLOSURE REPORT FOR CORRECTIVE ACTION UNIT 168: AREA 25 AND 26 CONTAMINATED MATERIALS AND WASTE DUMPS, NEVADA TEST SITE, NEVADA

Approved By: /s/: Kevin J. Cabble _____ Date: 12/21/06

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ACRONYMS AND ABBREVIATIONS

ACM	asbestos-containing material
ALLW	asbestiform low-level waste
CAP	Corrective Action Plan
CAS	Corrective Action Site
CAU	Corrective Action Unit
COC(s)	contaminant(s) of concern
CR	Closure Report
CSM	conceptual site model
DOE	U.S. Department of Energy
DOE/NV	U.S. Department of Energy, Nevada Operations Office
DRO	diesel range organics
E-MAD	Engine Maintenance, Assembly, and Disassembly
EPA	U.S. Environmental Protection Agency
ETL	Engine Test Laboratory
FFACO	*Federal Facility Agreement and Consent Order*
ft	foot (feet)
GRO	gasoline range organics
HEPA	high-efficiency particulate air
HW	hazardous waste
ISOCS	In-Situ Object Counting System
LLW	low-level waste
mg/kg	milligram(s) per kilogram
MW	mixed waste
MX	Missile Experimental
ND	not detected
NDEP	Nevada Division of Environmental Protection
NNSA/NSO	U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office
NNSA/NV	U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office
NRDS	Nuclear Rocket Development Station

ACRONYMS AND ABBREVIATIONS (continued)

NTS	Nevada Test Site
NV/YMP	Nevada/Yucca Mountain Project
PAL	preliminary action level
PCBs	polychlorinated biphenyls
QA	quality assurance
QAPP	Industrial Sites Quality Assurance Project Plan
QC	quality control
RMA	Radioactive Materials Area
RMSF	Radioactive Material Storage Facility
RR	railroad
RWMS	Radioactive Waste Management Site
TPH	total petroleum hydrocarbons
TSCA	*Toxic Substances Control Act*
UR	use restriction
USW	Underground Southern Nevada Well
UW	universal waste
WMA	waste management area
yd^3	cubic yard(s)

EXECUTIVE SUMMARY

Corrective Action Unit (CAU) 168 is identified in the *Federal Facility Agreement and Consent Order* (FFACO) of 1996 as Area 25 and 26 Contaminated Materials and Waste Dumps. CAU 168 is located in Areas 25 and 26 of the Nevada Test Site, approximately 87 miles northwest of Las Vegas, Nevada, and consists of the following twelve Corrective Action Sites (CASs):

- CAS 25-16-01, Construction Waste Pile
- CAS 25-16-03, MX Construction Landfill
- CAS 25-19-02, Waste Disposal Site
- CAS 25-23-02, Radioactive Storage RR Cars
- CAS 25-23-13, ETL-Lab Radioactive Contamination
- CAS 25-23-18, Radioactive Material Storage
- CAS 25-34-01, NRDS Contaminated Bunker
- CAS 25-34-02, NRDS Contaminated Bunker
- CAS 25-99-16, USW G3
- CAS 26-08-01, Waste Dump/Burn Pit
- CAS 26-17-01, Pluto Waste Holding Area
- CAS 26-19-02, Contaminated Waste Dump #2

CAU 168 closure activities were conducted from August 2005 to December 2006 according to the FFACO and Revision 1 of the Corrective Action Plan for CAU 168 (U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office, 2006b). The corrective action alternatives included no further action, clean closure, and closure in place with administrative controls. CAU 168 closure activities are summarized in Table 1.

Closure activities generated the following waste streams: sanitary waste, hydrocarbon waste, *Toxic Substances Control Act*-regulated waste, asbestos-containing material, low-level waste, transuranic waste, asbestiform low-level waste, hazardous waste, mixed waste, used oil, and universal waste. Waste generated during the closure of CAU 168 was appropriately managed and disposed. Waste that is currently staged onsite is being appropriately managed and will be disposed under approved waste profiles in permitted landfills. Waste minimization activities included segregation of waste streams, field screening, and size reduction. Some wastes exceeded land disposal restriction limits and required offsite treatment prior to disposal. Other wastes meeting land disposal restrictions were disposed of in appropriate onsite or offsite landfills. Waste disposition documentation is included as Appendix D of this report.

TABLE 1. SUMMARY OF CORRECTIVE ACTION UNIT 168 CLOSURE ACTIVITIES

CAS	CAS Name	Closure Method	COC	Closure Activities
25-16-01	Construction Waste Pile	Clean Closure	TPH	• Excavated and disposed of 2 yd^3 of TPH-impacted soil • Collected verification samples • Excavated and disposed of 535 yd^3 of construction debris • Backfilled excavations
25-16-03	MX Construction Landfill	Closure in Place with Administrative Controls	None	• Removed and disposed of 10 yd^3 of construction debris as a best management practice • Installed an engineered soil cover • Installed a three-strand wire perimeter fence and gate • Posted UR warning signs and implemented administrative controls
25-19-02	Waste Disposal Site	No Further Action	None	• None
25-23-02	Radioactive Storage RR Cars	Closure in Place with Administrative Controls	Radiological	• Posted UR warning signs and implemented administrative controls • Drained and staged for disposal 25 gallons of PCB-impacted oil from two locomotives as a best management practice • Sealed a pipe on one of the RR cars as a best management practice
25-23-13	ETL-Lab Radioactive Contamination	Clean Closure	Radiological	• Removed and disposed of 60 yd^3 of radiologically impacted equipment, ventilation system, and associated duct work • Drained and recycled 55 gallons of used oil • Removed and disposed of 30 yd^3 of construction debris • Performed final radiological survey
25-23-18	Radioactive Material Storage	Clean Closure	TPH, PCBs, Lead, Radiological	• Removed and disposed of 90 yd^3 of discarded equipment and miscellaneous debris as sanitary waste • Removed and staged for disposal 65 yd^3 of discarded equipment and miscellaneous debris as LLW • Removed and disposed of 2 yd^3 of solid lead as MW, and staged for disposal 0.3 yd^3 of solid lead as MW • Removed and transported to the Area 5 TRU Pad of one drum of smoke detectors • Drained and disposed of 55 gallons of oil as HW • Drained and recycled 5 gallons of coolant and 55 gallons of oil • Removed and recycled 2 lead acid batteries as UW • Removed and solidified liquid from storage casks, and disposed as LLW (1 yd^3) • Removed and staged for disposal 1 yd^3 of solid material from storage casks as LLW • Removed and disposed of fifteen empty storage casks as MW • Removed and disposed of 75 yd^3 of dicalite bags • Excavated and disposed of 2 yd^3 of TPH-impacted soil • Excavated and disposed of 1 yd^3 of PCB-impacted soil • Excavated and staged for disposal 4 yd^3 of radiologically impacted soil • Collected verification samples, and backfilled excavations • Performed final radiological survey and down-posted to a Radioactive Materials Area

TABLE 1. SUMMARY OF CAU 168 CLOSURE ACTIVITIES (CONTINUED)

CAS	CAS Name	Closure Method	COC	Closure Activities
25-34-01	NRDS Contaminated Bunker	No Further Action	None	• None
25-34-02	NRDS Contaminated Bunker	No Further Action	None	• None
25-99-16	USW G3	Closure in Place with Administrative Controls	None	• Posted UR warning signs and implemented administrative controls
26-08-01	Waste Dump/Burn Pit	Clean Closure	TPH ACM	• Excavated and disposed of 2 yd^3 of TPH-impacted soil • Collected verification samples • Removed and disposed of 600 yd^3 of construction debris • Removed and disposed of 330 yd^3 of ACM • Contoured area to approximate surrounding grade
26-17-01	Pluto Waste Holding Area	Clean Closure	TPH, PCBs	• Excavated and disposed of 2 yd^3 of TPH-impacted soil • Excavated and disposed of 3 yd^3 of PCB-impacted soil • Collected verification samples • Backfilled excavations • Grouted outlet of drainage pipe
26-19-02	Contaminated Waste Dump #2	Clean Closure	Radiological, ACM, Lead	• Excavated and disposed of 90 yd^3 of construction debris • Excavated and disposed of 100 yd^3 of debris and soil as LLW, and staged for disposal 650 yd^3 of debris and soil as LLW • Excavated and disposed of 2 yd^3 of solid lead as MW • Excavated and staged for disposal 0.3 yd^3 of debris as ALLW • Excavated and disposed of 0.6 yd^3 of debris as hydrocarbon waste • Performed radiological survey of remaining concrete retention structure • Backfilled excavation

ACM: asbestos-containing material
ALLW: asbestos low-level waste
CAS: Corrective Action Site
COC: contaminant of concern
ETL: Engine Test Laboratory
HW: hazardous waste
LLW: low-level waste
MW: mixed waste
MX: Missile Experimental
NRDS: Nuclear Rocket Development Station
PCBs: polychlorinated biphenyls
RR: railroad
TPH: total petroleum hydrocarbons
TRU: transuranic
UR: use restriction
USW: Underground Southern Nevada Well
UW: universal waste
yd^3: cubic yard(s)

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1.0 INTRODUCTION

This Closure Report (CR) documents closure activities for Corrective Action Unit (CAU) 168, Area 25 and 26 Contaminated Materials and Waste Dumps, according to the *Federal Facility Agreement and Consent Order* (FFACO) and Revision 1 of the Corrective Action Plan (CAP) for CAU 168 (U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office [NNSA/NSO], 2006b). CAU 168 is located in Areas 25 and 26 of the Nevada Test Site (NTS) (Figure 1) and consists of the following twelve Corrective Action Sites (CASs):

- CAS 25-16-01, Construction Waste Pile
- CAS 25-16-03, MX Construction Landfill
- CAS 25-19-02, Waste Disposal Site
- CAS 25-23-02, Radioactive Storage RR Cars
- CAS 25-23-13, ETL-Lab Radioactive Contamination
- CAS 25-23-18, Radioactive Material Storage
- CAS 25-34-01, NRDS Contaminated Bunker
- CAS 25-34-02, NRDS Contaminated Bunker
- CAS 25-99-16, USW G3
- CAS 26-08-01, Waste Dump/Burn Pit
- CAS 26-17-01, Pluto Waste Holding Area
- CAS 26-19-02, Contaminated Waste Dump #2

1.1 PURPOSE

CAU 168, Area 25 and 26 Contaminated Materials and Waste Dumps, consists of twelve CASs located in Areas 25 and 26 of the NTS. The closure alternatives included no further action, clean closure, and closure in place with administrative controls. The purpose of this CR is to provide a summary of the completed closure activities, documentation of waste disposal, and analytical data to confirm that the remediation goals were met.

1.2 SCOPE

The closure strategy for CAU 168 was as follows:

- CAS 25-16-01 (Construction Waste Pile) was clean closed by removing and disposing of construction debris and total petroleum hydrocarbon (TPH)-impacted soil.
- CAS 25-16-03 (MX Construction Landfill) was closed in place with administrative controls. Surface debris was disposed of as a best management practice. An engineered soil cover was installed, and surface runoff controls were put in place. A three-strand wire fence and gate were installed, and use-restriction (UR) warning signs were posted.

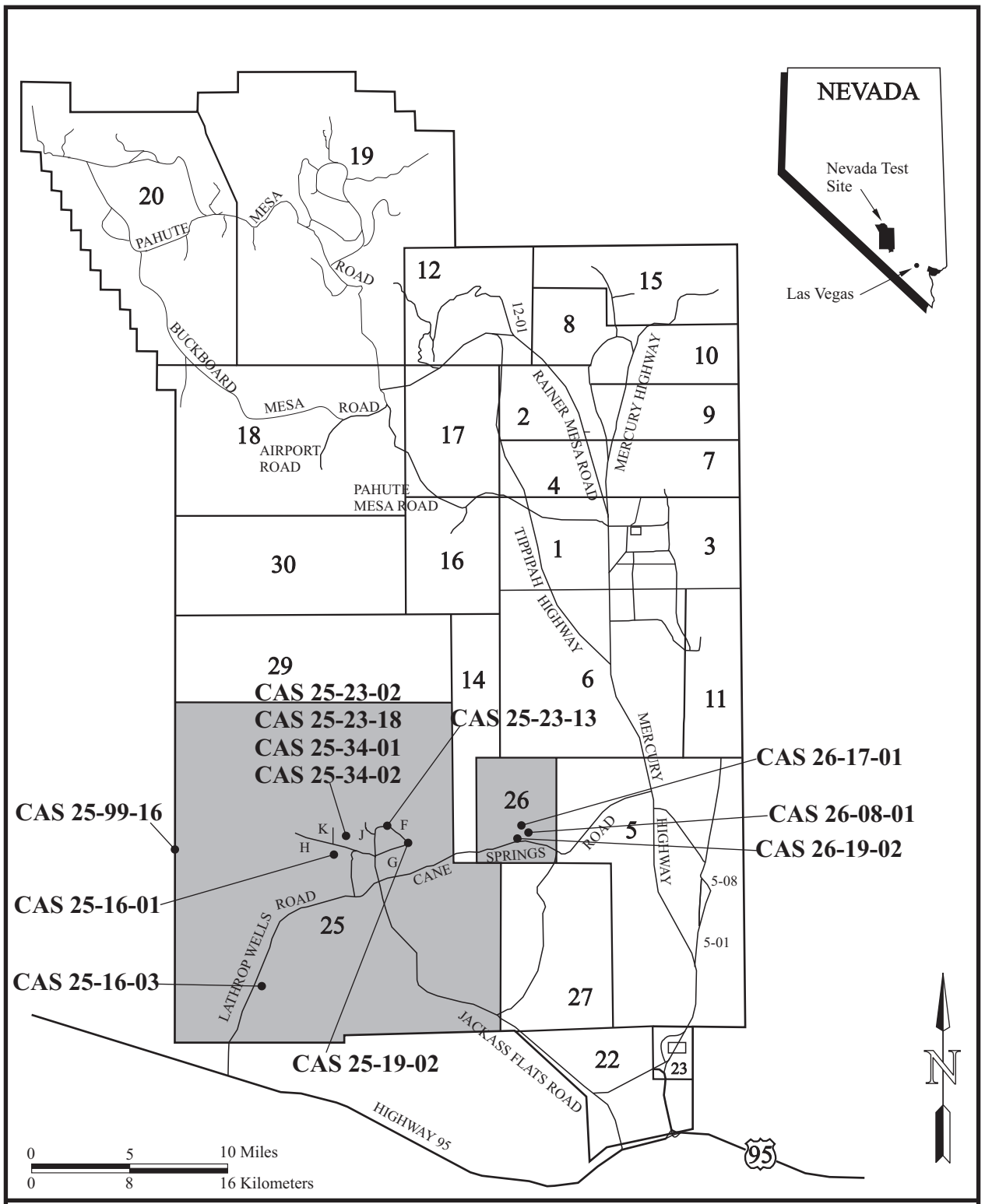


FIGURE 1
CORRECTIVE ACTION UNIT 168 SITE LOCATION MAP

- CAS 25-19-02 (Waste Disposal Site) required no further action; therefore, no work was performed.
- CAS 25-23-02 (Radioactive Storage RR Cars) was closed in place with administrative controls. UR warning signs were posted on the existing chainlink fence, and a pipe on one of the railroad (RR) cars was sealed as a best management practice.
- CAS 25-23-13 (ETL-Lab Radioactive Contamination) was clean closed by removing and disposing of radiologically contaminated equipment, a ventilation system, and associated duct work.
- CAS 25-23-18 (Radioactive Material Storage) was clean closed by excavating TPH-impacted soil, polychlorinated biphenyl (PCB)-impacted soil, and radiologically contaminated soil. Storage casks, solid lead items, dicalite bags, a transportainer and its contents, and other miscellaneous surface debris were also removed for disposal.
- CAS 25-34-01 (NRDS Contaminated Bunker) required no further action; therefore, no work was performed.
- CAS 25-34-02 (NRDS Contaminated Bunker) required no further action; therefore, no work was performed.
- CAS 25-99-16 (USW G3) was closed in place with administrative controls. UR warning signs were posted.
- CAS 26-08-01 (Waste Dump/Burn Pit) was clean closed by removing and disposing of construction debris, asbestos-containing material (ACM), and TPH-impacted soil.
- CAS 26-17-01 (Pluto Waste Holding Area) was clean closed by removing and disposing of TPH-impacted soil and PCB-impacted soil. In addition, the outlet of a drainage pipe was sealed with grout.
- CAS 26-19-02 (Contaminated Waste Dump #2) was clean closed by removing radiologically contaminated debris and soil, solid lead items, ACM, and construction debris.

1.3 CLOSURE REPORT CONTENTS

This CR includes the following sections:

- Section 1.0 - Introduction
- Section 2.0 - Closure Activities
- Section 3.0 - Waste Disposition
- Section 4.0 - Closure Verification Results
- Section 5.0 - Conclusions and Recommendations
- Section 6.0 - References
- Appendix A - Data Quality Objectives
- Appendix B - Sample Analytical Results

- Appendix C - As-Built Documentation
- Appendix D - Waste Disposition Documentation
- Appendix E - Use Restriction Documentation
- Appendix F - Site Closure Photographs
- Library Distribution List

This report was developed using information and guidance from the following documents:

- Revision 1 of the CAP for CAU 168 (NNSA/NSO, 2006b)
- Revision 2 of the Corrective Action Decision Document for CAU 168 (NNSA/NSO, 2006a)
- *Industrial Sites Quality Assurance Project Plan* (QAPP) (U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office [NNSA/NV], 2002)

1.3.1 Data Quality Objectives

The data quality objectives used for closure of CAU 168 were presented in Appendix A of the Corrective Action Investigation Plan for CAU 168 (NNSA/NV, 2001) and are included as Appendix A of this report. Five conceptual site models (CSMs) were developed for CAU 168 based on process knowledge, historical information, and personnel interviews.

The first CSM, *Waste Dumps and Landfills*, includes CAS 25-16-01 (Construction Waste Pile), CAS 25-16-03 (MX Construction Landfill), CAS 25-19-02 (Waste Disposal Site), CAS 26-08-01 (Waste Dump/Burn Pit), and CAS 26-19-02 (Contaminated Waste Dump #2). This CSM assumes the primary source of potential contamination was associated with the disposal of construction debris, radiologically contaminated materials, and/or potentially hazardous waste (HW). Surface and subsurface soils were the affected media.

The second CSM, *Contaminated Facilities and Materials*, includes CAS 25-23-02 (Radioactive Storage RR Cars), CAS 25-23-13 (ETL-Lab Radioactive Contamination), CAS 25-34-01 (NRDS Contaminated Bunker), and CAS 25-34-02 (NRDS Contaminated Bunker). This CSM assumes potential contamination was associated with the release of radionuclides directly or indirectly onto the surface of materials.

The third CSM includes CAS 26-17-01 (Pluto Waste Holding Area) and assumes potential contamination was associated with potentially radioactive effluent from Building 2203. Affected media included piping, surface soil, and shallow subsurface soil.

The fourth CSM includes CAS 25-23-18 (Radioactive Material Storage) and assumes potential contamination was associated with releases of radionuclides through direct contact with or erosion from contaminated materials and equipment stored at various locations in the facility.

The fifth and last CSM includes CAS 25-99-16 (USW G3). A cesium-137 source from a downhole geophysical logging tool is entombed in cement in a well. Pathways to potential receptors are not present unless interception of the source by drilling occurs.

No variations to the CSMs were identified, and the CSMs were confirmed by soil sample results and verified during closure activities.

2.0 CLOSURE ACTIVITIES

This section details the specific activities completed during the closure of CAU 168, deviations from the CAU 168 CAP, the schedule of completed activities, and the final site plan. Photographs in Appendix F of this report document the states of the sites before corrective actions were implemented, field work in progress, and site conditions after completion of work.

2.1 DESCRIPTION OF CORRECTIVE ACTION ACTIVITIES

Closure activities for CAU 168 were completed according to Revision 1 of the CAP (NNSA/NSO, 2006b). The following sections detail the closure activities as completed.

2.1.1 Preplanning and Site Preparation

Prior to closure activities, the following documents were prepared:

- *National Environmental Policy Act* Checklist
- Site-Specific Health and Safety Plan
- Field Management Plan
- NNSA/NSO Real Estate/Operations Permits
- Work control packages

2.1.2 Closure Activities

The following sections detail the closure activities completed at each CAS.

2.1.2.1 Corrective Action Site 25-16-01, Construction Waste Pile

This site, located approximately 500 feet (ft) south of the Engine Maintenance, Assembly, and Disassembly (E-MAD) Facility, consisted of buried construction debris and TPH-impacted soil (Figure 2). Clean closure was implemented at the site by removal and disposal of construction debris and TPH-impacted soil.

A total of approximately 2 cubic yards (yd^3) of TPH-impacted soil was excavated and transported in an end-dump truck to the Area 6 Hydrocarbon Landfill for disposal. TPH field screening kits were used to guide the extent of the excavation. Five verification samples, one from each side wall and one from the floor of the excavation, and one blind duplicate sample were collected and analyzed for TPH. Verification sample results indicated that the remaining soil did not contain TPH at concentrations above the action level; therefore, the excavation was backfilled with clean soil and contoured to the approximate surrounding grade. The laboratory data reports for these samples are included in Appendix B of this report.

A total of approximately 535 yd^3 of construction debris was excavated and transported in end-dump trucks to the Area 9 U10c Sanitary Landfill for disposal. During debris removal activities, an area of stained soil that was suspected to be impacted with TPH was observed. Two samples of this soil and one blind duplicate sample were collected and analyzed for TPH, and the results indicated that the soil did not contain TPH at concentrations above the action

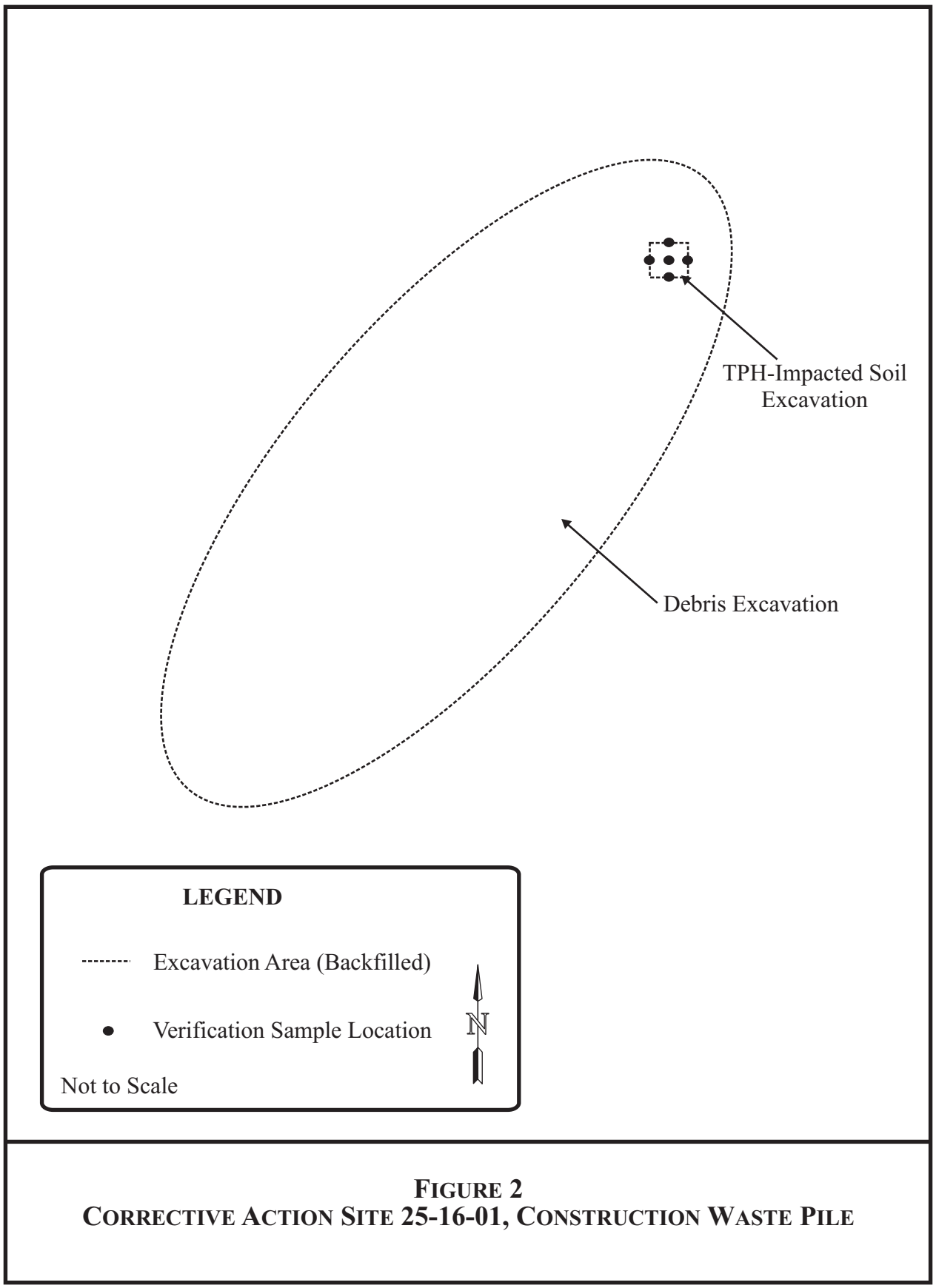


FIGURE 2
CORRECTIVE ACTION SITE 25-16-01, CONSTRUCTION WASTE PILE

level; therefore, the soil was disposed of with the construction debris. The laboratory data for these samples are included in Appendix B of this report (Sample Delivery Group V2680). Debris removal was confirmed by visual inspection and photographic documentation, and the excavation was backfilled with clean soil and contoured to the approximate surrounding grade.

2.1.2.2 Corrective Action Site 25-16-03, MX Construction Landfill

This site, located east of Lathrop Wells Road across from the Missile Experimental (MX) silos, consists of a 230-ft by 375-ft construction landfill (Figure 3). As a best management practice, a total of approximately 10 yd^3 of surface debris was removed and transported in an end-dump truck to the Area 9 U10c Sanitary Landfill for disposal. The site was closed in place, and a UR was implemented to prohibit any unauthorized intrusive activity. An engineered soil cover was installed with a minimum thickness of 2 ft at a 2 to 4 percent slope, and riprap was put in place to control surface runoff. A three-strand wire fence and gate were installed, and UR warning signs were posted. The cover was as-built surveyed, and the as-built drawings are included as Appendix C of this report. The CAU Land-Use Restriction Information form and a figure showing the locations of the surveyed points delineating the UR area are included in Appendix E of this report. Annual site inspections will be required to ensure that the signs are intact and legible and that the UR is maintained. Details on the post-closure requirements are included in Section 5.2 of this report.

2.1.2.3 Corrective Action Site 25-19-02, Waste Disposal Site

This site consists of a waste disposal site located near the Reactor Maintenance, Assembly, and Disassembly Facility. No contaminants of concern (COCs) were identified during site characterization; therefore, the site was closed by taking no further action.

2.1.2.4 Corrective Action Site 25-23-02, Radioactive Storage RR Cars

This site includes nineteen RR cars located within the inner perimeter chainlink fence of the Radioactive Material Storage Facility (RMSF) north of the turnoff from Road H to the E-MAD Facility (Figure 4). The RR cars were closed in place, and a UR was implemented to prohibit any unauthorized intrusive activity and restrict access to the RR cars. UR warning signs were posted on the existing chainlink fence. Two of the RR cars were posted as a Contamination Area due to removable radiological contamination on the cars. As a best management practice, a pipe on one of the RR cars was sealed to prevent migration of contamination, and oil was drained from two locomotives. The disposition of the oil is discussed in Section 2.1.2.6. The CAU Land-Use Restriction Information form and a figure showing the locations of the surveyed points delineating the UR area are included in Appendix E of this report. Annual site inspections will be required to ensure that the signs are intact and legible and that the UR is maintained. Details on the post-closure requirements are included in Section 5.2 of this report.

2.1.2.5 Corrective Action Site 25-23-13, ETL-Lab Radioactive Contamination

This site consisted of radiologically impacted equipment, rooftop vents, high-efficiency particulate air (HEPA) ventilation system, and associated duct work located in Building 25-3124, the Engine Test Laboratory (ETL) (Figure 5). Clean closure was implemented at the site by

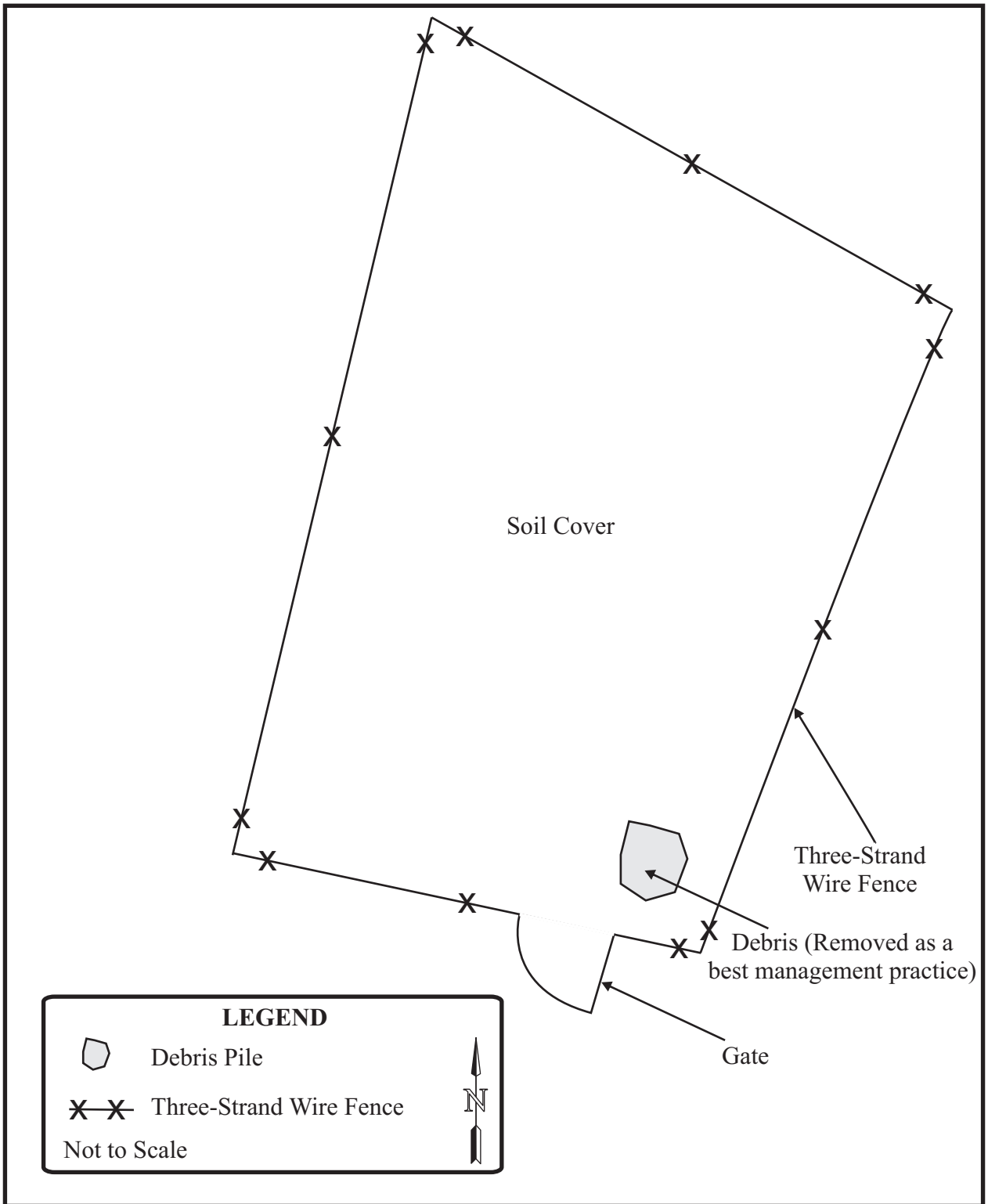


FIGURE 3
CORRECTIVE ACTION SITE 25-16-03, MX CONSTRUCTION LANDFILL

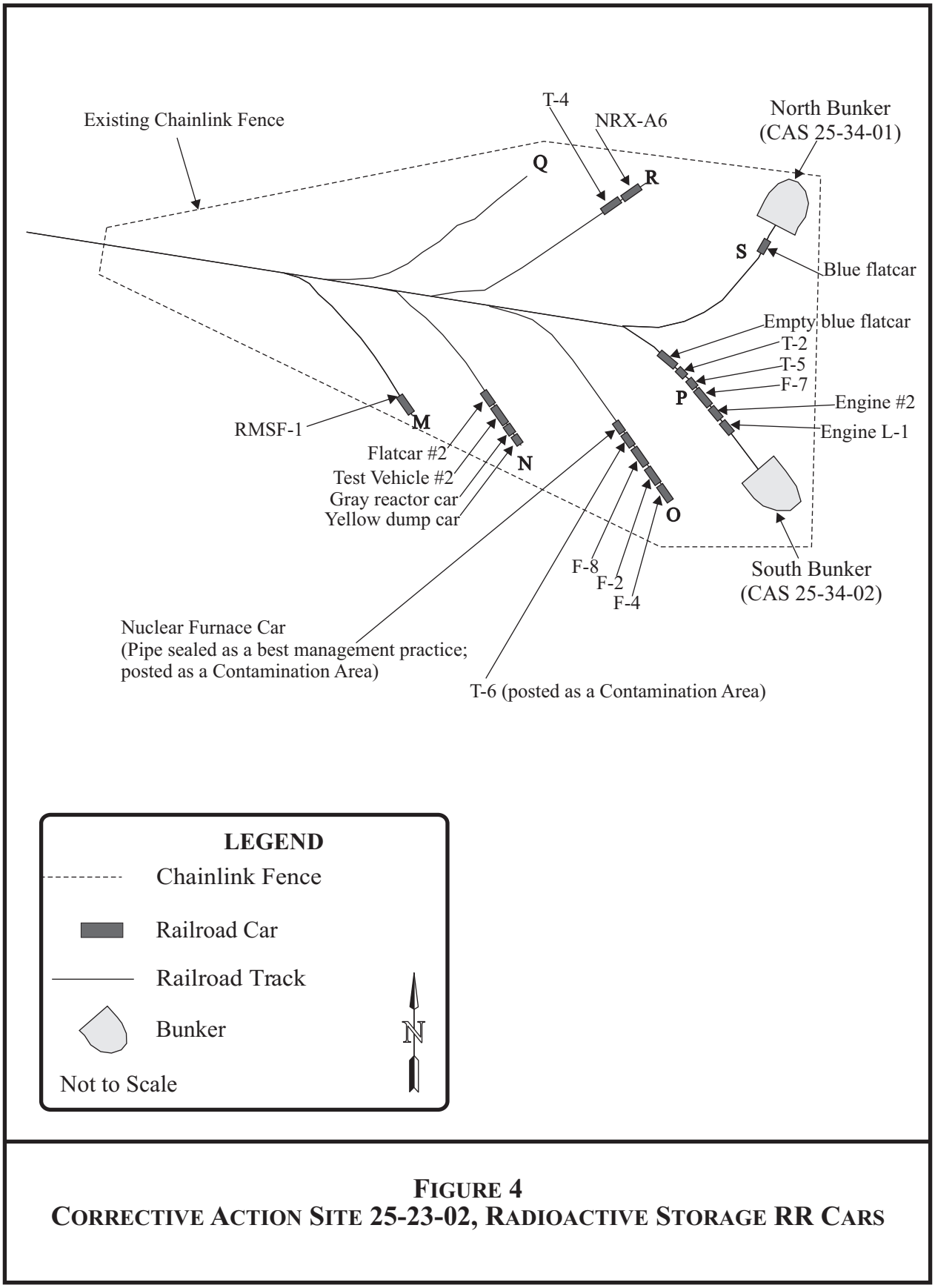


FIGURE 4
CORRECTIVE ACTION SITE 25-23-02, RADIOACTIVE STORAGE RR CARS

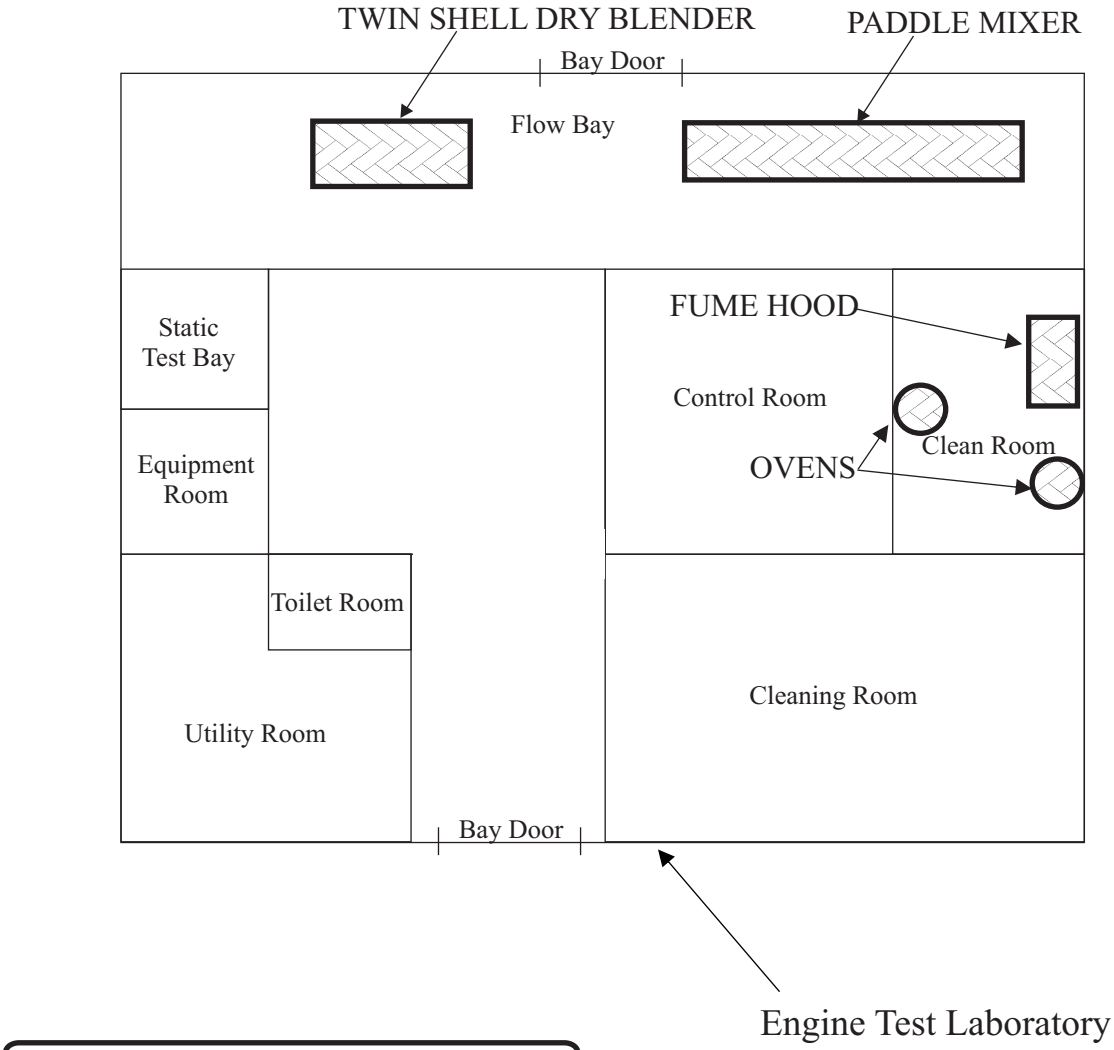


FIGURE 5
CORRECTIVE ACTION SITE 25-23-13,
ETL-LAB RADIOACTIVE CONTAMINATION

removal and disposal of radiologically impacted items. Partial demolition of the facility was performed to facilitate removal of the contaminated materials, and a total of approximately 30 yd^3 of waste was transported in end-dump trucks to the Area 9 U10c Sanitary Landfill for disposal. A total of approximately 60 yd^3 of waste was packaged in a transportainer and transported to the Area 5 Radioactive Waste Management Site (RWMS) for disposal as low-level waste (LLW). In addition, a total of approximately 55 gallons of oil was drained from the equipment, determined to be free of radiological contamination and PCBs, and recycled as used oil. A final radiological survey of the building was performed and indicated that residual contamination was not present above surface contamination limits specified in the Nevada/Yucca Mountain Project (NV/YMP) Radiological Control Manual (U.S. Department of Energy, Nevada Operations Office [DOE/NV], 2004).

2.1.2.6 Corrective Action Site 25-23-18, Radioactive Material Storage

This site, located at the RMSF, contained various discarded equipment and materials including fifteen storage casks; two gas cylinders; a pallet of dicalite bags located on the blue flatcar on RR Spur "S;" a pile of discarded equipment and materials including solid lead items located between RR Spurs "M" and "N;" a transportainer containing a drum labeled "lithium hydride," HEPA filters, a vacuum cleaner, bagged electrical cables, and other miscellaneous equipment parts; and other miscellaneous surface debris (Figure 6). The site also contained soil impacted with TPH, PCBs, and radiological COCs. Clean closure was implemented at the site by removal of discarded equipment and materials and impacted soil.

Radiological surveys and/or In-Situ Object Counting System (ISOCS) sampling were performed on discarded equipment and materials located between RR Spurs "M" and "N" and on the items in the transportainer, and the waste was segregated and properly packaged. A total of approximately 90 yd^3 of debris, including the empty transportainer, was determined to be free of radiological contamination and transported in end-dump trucks to the Area 9 U10c Sanitary Landfill for disposal. A total of approximately 65 yd^3 of debris was determined to be radiologically impacted. All radiologically impacted debris was packaged in a transportainer except one item that was too large, which is staged outside the transportainer and will be wrapped in plastic for disposal. The waste is currently staged onsite and will be transported to the Area 5 RWMS for disposal as LLW. A total of approximately 2 yd^3 of solid lead was packaged in a B-25 box and transported offsite for treatment and disposal as mixed waste (MW). A total of approximately 0.3 yd^3 of solid lead is currently staged onsite and will be transported offsite for treatment and disposal as MW. The drum labeled "lithium hydride" was opened and determined to contain smoke detectors, which have been characterized as transuranic (TRU) waste. The drum and its contents were transported to the Area 5 TRU Pad.

A total of approximately 55 gallons of oil was drained from equipment, determined to be hazardous, and transported offsite for treatment and disposal as HW. A total of approximately 5 gallons of coolant was drained from equipment and recycled. A total of approximately 55 gallons of oil was drained from two locomotives and recycled. In addition, two lead acid batteries were removed from equipment and managed as universal waste (UW). Radiological surveys of the batteries were performed, and they were recycled.

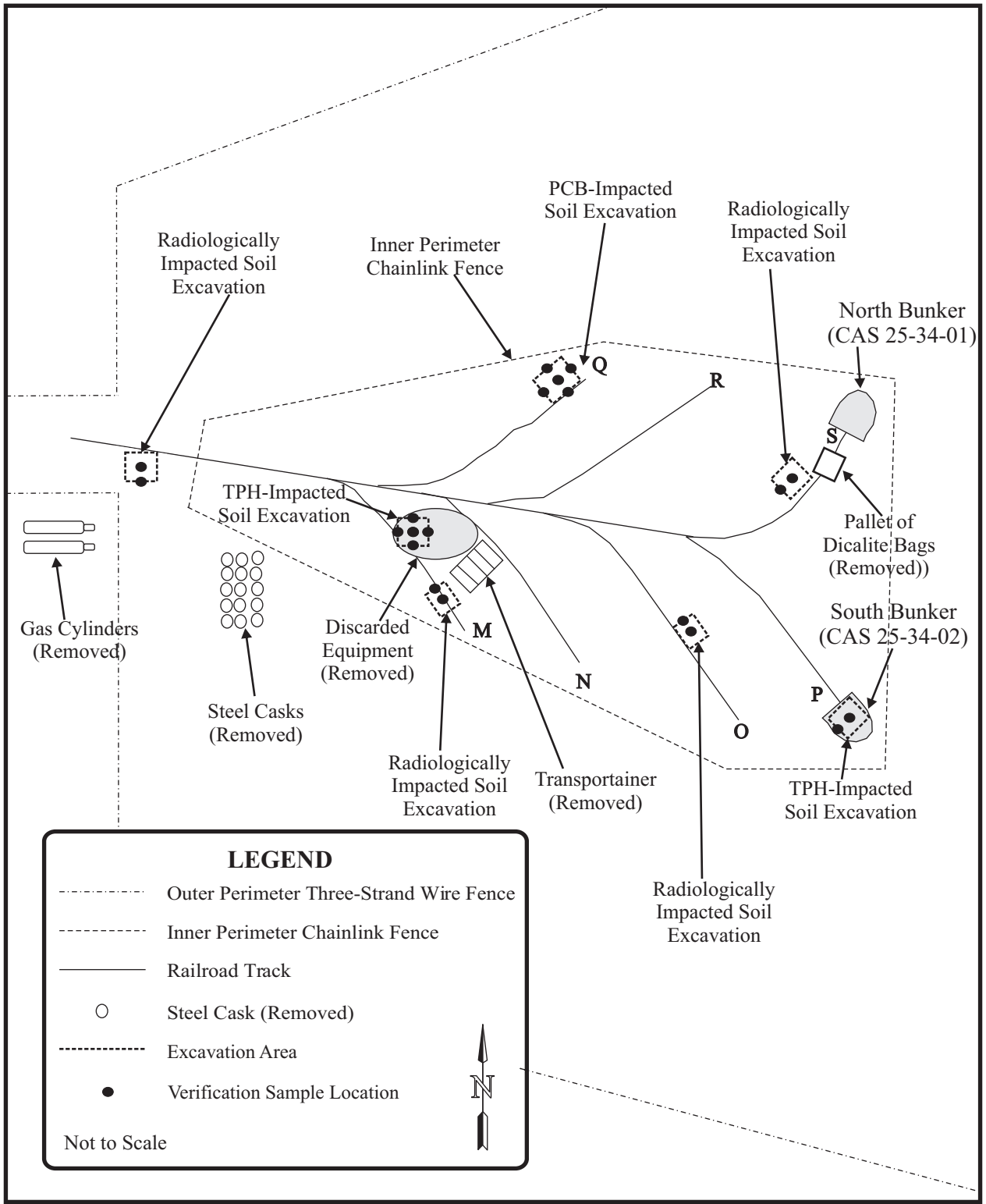


FIGURE 6
CORRECTIVE ACTION SITE 25-23-18, RADIOACTIVE MATERIAL STORAGE

Radiological surveys and ISOCS sampling were performed on the fifteen storage casks. They were opened, and liquid was present in some of the casks. The liquid was pumped from the casks, solidified in drums, and transported offsite for disposal as LLW (approximately 1 yd^3). Other solid materials that were present in the casks were removed, packaged in drums, are currently staged onsite, and will be transported to the Area 5 RWMS for disposal as LLW (approximately 1 yd^3). The fifteen empty casks were transported to an offsite facility for treatment and disposal as MW due to the presence of lead in the cask lining. The two gas cylinders, miscellaneous surface debris located throughout the RMSF, and a total of approximately 75 yd^3 of dicalite bags were transported in end-dump trucks to the Area 9 U10c Sanitary Landfill for disposal.

A total of approximately 2 yd^3 of TPH-impacted soil was excavated from two locations, packaged in drums, and transported to the Area 6 Hydrocarbon Landfill for disposal. TPH field screening kits were used to guide the extents of the excavations. Five verification samples, one from each side wall and one from the floor of the excavation located at the footprint of the discarded equipment pile between RR Spurs "M" and "N," were collected and analyzed for TPH. Verification sample results indicated that the remaining soil did not contain TPH at concentrations above the action level; therefore, the excavation was backfilled with clean soil and contoured to the approximate surrounding grade. Two verification samples, one from a randomly selected side wall and one from the floor of the excavation located in the south bunker, and one blind duplicate sample were collected and analyzed for TPH. In addition, at this location, five soil samples were collected and analyzed for semi-volatile organic compounds to verify that no hazardous constituents of TPH were present at concentrations above action levels in the event that TPH was present at concentrations above the action level. However, all verification sample results indicated that the remaining soil did not contain TPH at concentrations above the action level; therefore, the excavation was backfilled with clean soil and contoured to the approximate surrounding grade. The laboratory data reports for these samples are included in Appendix B of this report.

A total of approximately 1 yd^3 of PCB-impacted soil was excavated and packaged in drums. The concentration of PCBs in the waste was less than the Area 9 U10c Sanitary Landfill waste acceptance limit of 50 milligrams per kilogram (mg/kg); therefore, the soil was transported to the Area 9 U10c Sanitary Landfill for disposal. Five verification samples, one from each side wall and one from the floor of the excavation, and one blind duplicate sample were collected and analyzed for PCBs. Verification sample results indicated that the remaining soil did not contain PCBs at concentrations above the action level; therefore, the excavation was backfilled with clean soil and contoured to the approximate surrounding grade. The laboratory data reports for these samples are included in Appendix B of this report.

A total of approximately 4 yd^3 of radiologically impacted soil was excavated from four locations and packaged in drums. The soil was sampled, a waste was profile prepared and approved, and the waste is currently staged onsite and will be transported to the Area 5 RWMS for disposal as LLW. Eight verification samples, one from a randomly selected side wall and one from the floor of each of the four excavations, and one blind duplicate sample were collected and analyzed for radionuclides. Verification sample results indicated that the remaining soil did not contain radionuclides at concentrations above the action levels; therefore, the excavations were backfilled with clean soil and contoured to the approximate surrounding grade. The laboratory data reports for these samples are included in Appendix B of this report.

A radiological survey of the area was performed, and it was determined that the area could be down-posted from a Contamination Area. Signs were posted on the existing chainlink fence to identify the area as a Radioactive Materials Area (RMA).

2.1.2.7 Corrective Action Site 25-34-01, NRDS Contaminated Bunker

This site consists of a concrete bunker located in the northeast corner of the RMSF. No COCs were identified during characterization; therefore, the site was closed by taking no further action.

2.1.2.8 Corrective Action Site 25-34-02, NRDS Contaminated Bunker

This site consists of a concrete bunker located in the southeast corner of the RMSF. No COCs were identified during characterization; therefore, the site was closed by taking no further action.

2.1.2.9 Corrective Action Site 25-99-16, USW G3

This site, located outside of the NTS boundary west of Area 25 on the crest of Yucca Mountain, contains a radiological source that was entombed in concrete in a subsurface well (Figure 7). The site was closed in place, and a UR was implemented to prohibit unauthorized intrusive activity. UR warning signs were posted. The CAU Land-Use Restriction Information form and a figure showing the locations of the surveyed points delineating the use-restricted area are included in Appendix E of this report. Annual site inspections will be required to ensure that the signs are intact and legible and that the UR is maintained. Details on the post-closure requirements are included in Section 5.2 of this report.

2.1.2.10 Corrective Action Site 26-08-01, Waste Dump/Burn Pit

This site, located east of Building 26-2203, consisted of surface construction debris and ACM scattered approximately 800 ft along an arroyo (Figure 8). TPH-impacted soil was also present. Clean closure was implemented at the site by removal and disposal of construction debris, ACM, and TPH-impacted soil.

A total of approximately 2 yd^3 of TPH-impacted soil was excavated and transported in an end-dump truck to the Area 6 Hydrocarbon Landfill for disposal. TPH field screening kits were used to guide the extent of the excavation. Five verification samples, one from each side wall and one from the floor of the excavation, and one blind duplicate sample were collected and analyzed for TPH. Verification sample results indicated that the remaining soil did not contain TPH at concentrations above the action level; therefore, the excavation was backfilled with clean soil and contoured to the approximate surrounding grade. The laboratory data reports for these samples are included in Appendix B of this report.

Construction debris and ACM were removed and segregated. A total of approximately 600 yd^3 of construction debris was transported in end-dump trucks to the Area 9 U10c Sanitary Landfill for disposal. A total of approximately 330 yd^3 of ACM was packaged in "burrito bag" truck liners and transported to the Area 23 Sanitary Landfill for disposal. Debris removal was confirmed by visual inspection and photographic documentation. The area was contoured to the approximate surrounding grade.

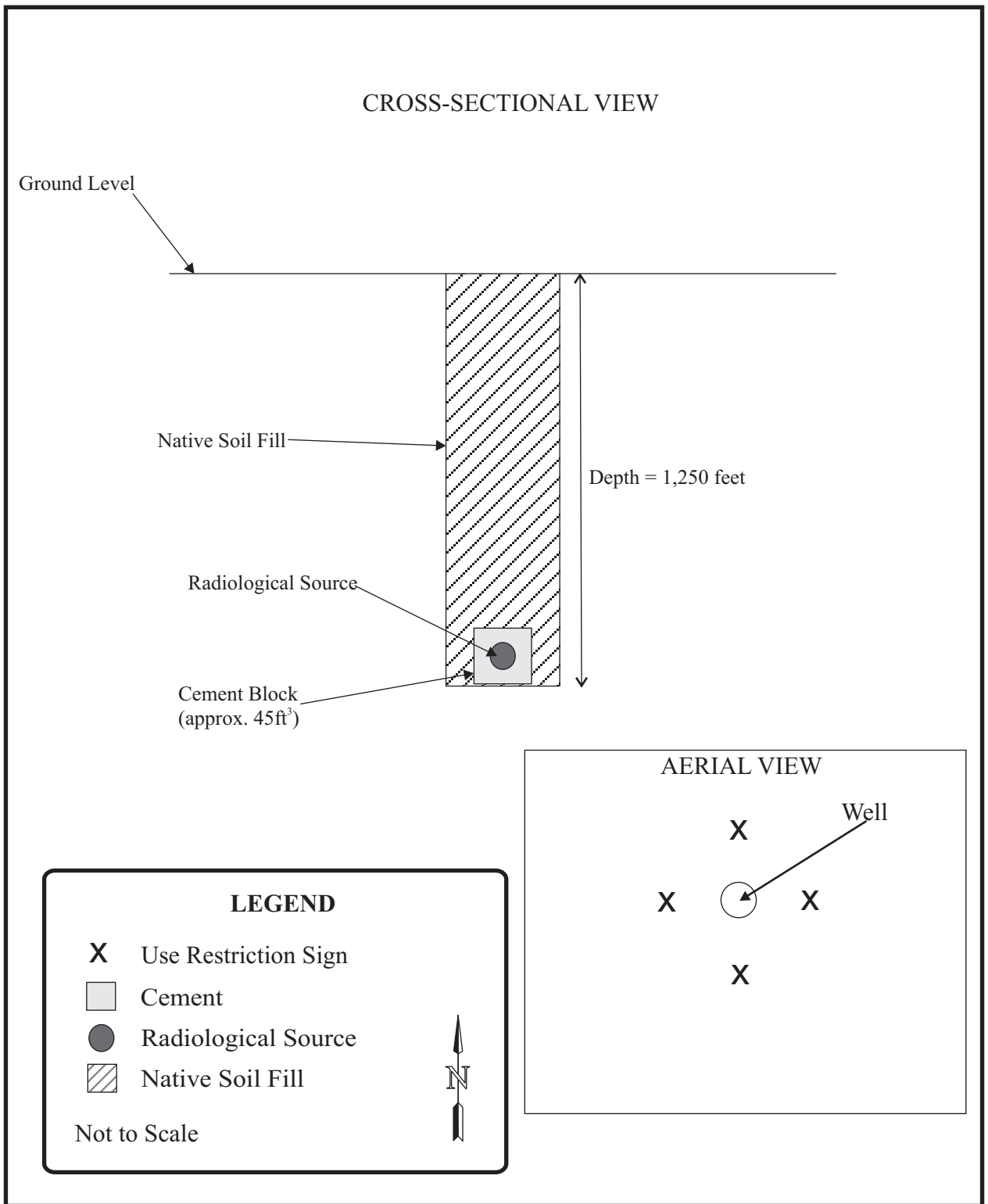


FIGURE 7
CORRECTIVE ACTION SITE 25-99-16, USW G3

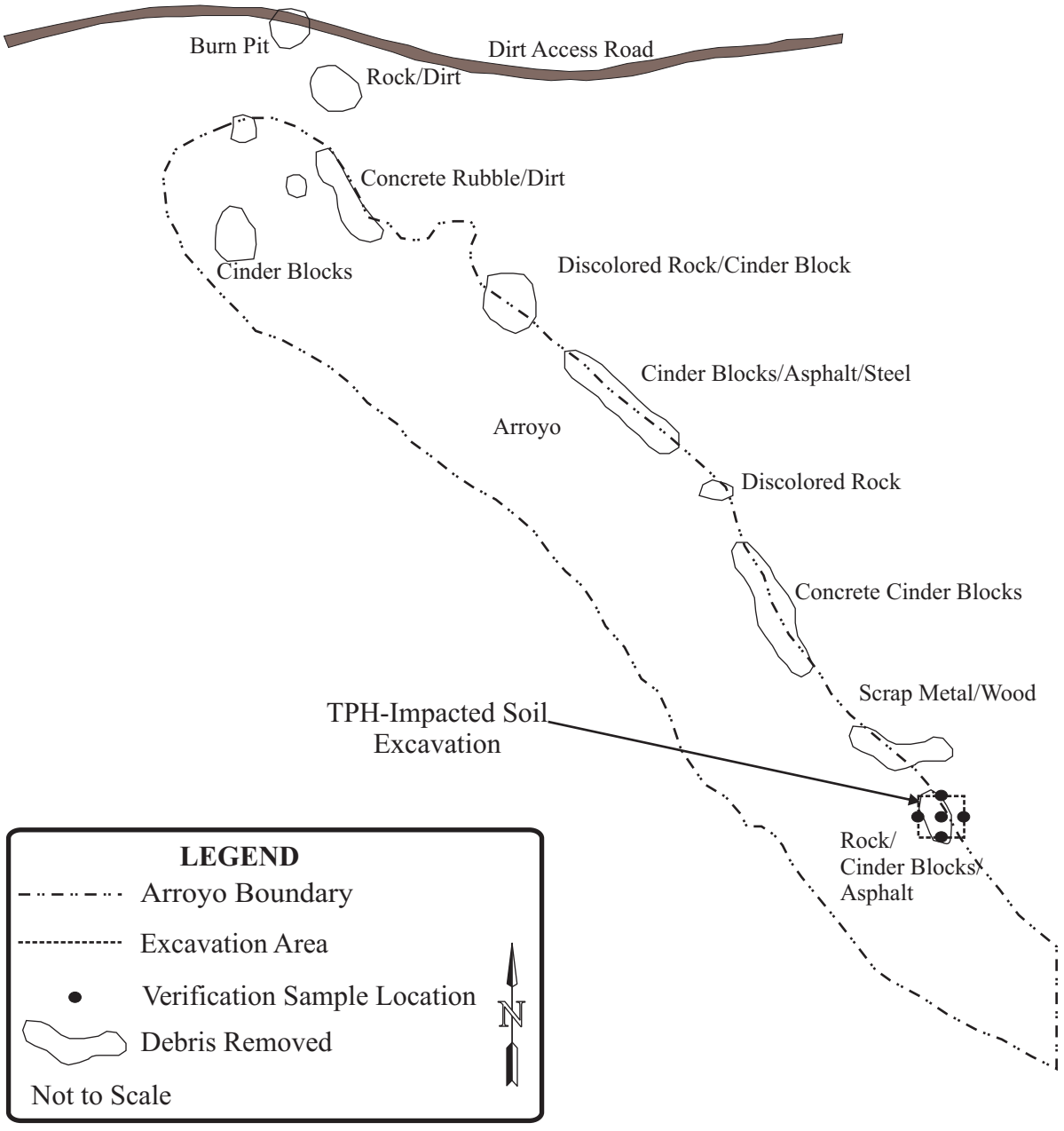


FIGURE 8
CORRECTIVE ACTION SITE 26-08-01, WASTE DUMP/BURN PIT

2.1.2.11 Corrective Action Site 26-17-01, Pluto Waste Holding Area

This site, located northeast of Building 26-2203, consisted of a buried clay pipe, a small concrete wall at the pipe outfall, and an evaporation pond containing TPH-impacted soil and PCB-impacted soil (Figure 9). Clean closure was implemented at the site by removal and disposal of TPH-impacted soil and PCB-impacted soil. The outlet of the pipe was also sealed with grout.

A total of approximately 2 yd^3 of TPH-impacted soil was excavated and transported in an end-dump truck to the Area 6 Hydrocarbon Landfill for disposal. TPH field screening kits were used to guide the extent of the excavation. Five verification samples, one from each side wall and one from the floor of the excavation, and one blind duplicate sample were collected and analyzed for TPH. Verification sample results indicated that the remaining soil did not contain TPH at concentrations above the action level; therefore, the excavation was backfilled with clean soil and contoured to the approximate surrounding grade. The laboratory data reports for these samples are included in Appendix B of this report.

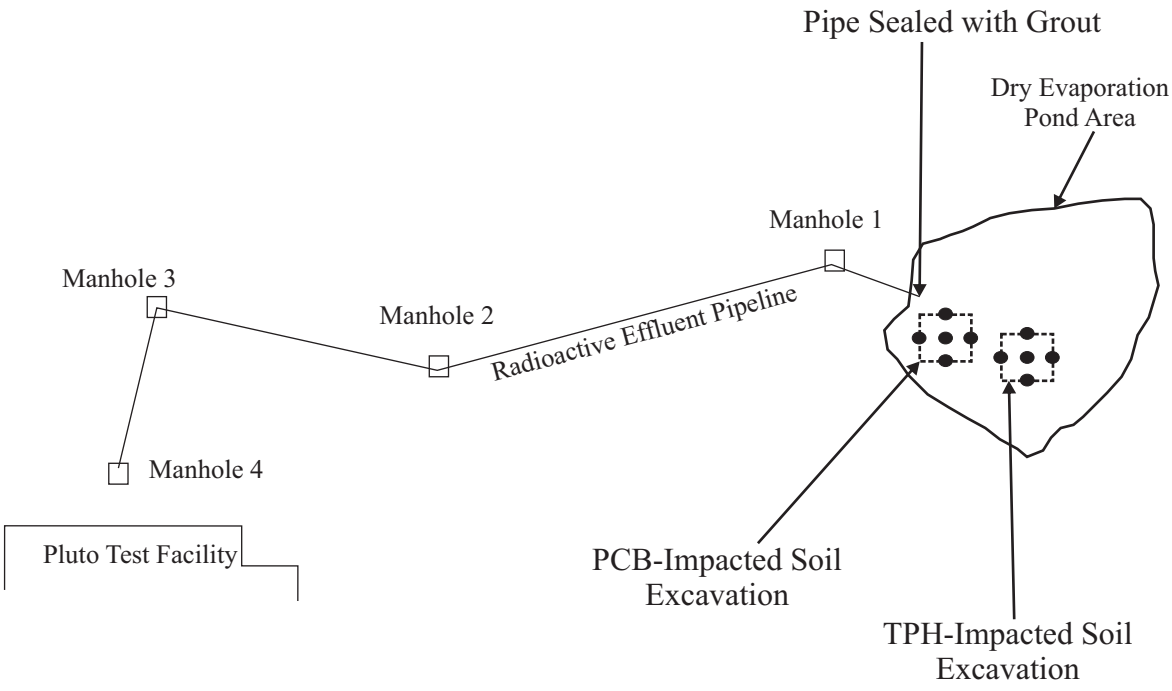
A total of approximately 3 yd^3 of PCB-impacted soil was excavated. The concentration of PCBs in the waste was less than the Area 9 U10c Sanitary Landfill waste acceptance limit of 50 mg/kg; therefore, the soil was transported in an end-dump truck to the Area 9 U10c Sanitary Landfill for disposal. Five verification samples, one from each side wall and one from the floor of the excavation, and one blind duplicate sample were collected and analyzed for PCBs. Verification sample results indicated that the remaining soil did not contain PCBs at concentrations above the action level; therefore, the excavation was backfilled with clean soil and contoured to the approximate surrounding grade. The laboratory data reports for these samples are included in Appendix B of this report.

2.1.2.12 Corrective Action Site 26-19-02, Contaminated Waste Dump #2

This site, located approximately 1,600 ft southwest of Building 26-2203, consisted of buried debris in a concrete retention structure (Figure 10). The debris included radiologically impacted items, solid lead items, ACM, and construction debris. Clean closure was implemented at the site by removal and disposal of debris.

Radiological surveys and ISOCS sampling were performed on excavated debris, and the waste was segregated, properly packaged, and transported for disposal. A total of approximately 90 yd^3 of debris was determined to be free of radiological contamination and transported in end-dump trucks to the Area 9 U10c Sanitary Landfill for disposal. A total of approximately 80 yd^3 of debris was determined to be radiologically impacted and was packaged in B-25 boxes and a transportainer. The waste was transported to the Area 5 RWMS for disposal as LLW.

A total of approximately 2 yd^3 of solid lead was packaged in a B-25 box and transported offsite for treatment and disposal as MW. In addition, a total of approximately 0.3 yd^3 of ACM was determined to be radiologically impacted. The asbestiform low-level waste (ALLW) was removed, packaged in a drum, is currently staged onsite, and will be transported to the Area 5 RWMS for disposal.



LEGEND

---------- Excavation Area

● Verification Sample Location

Not to Scale

N

FIGURE 9
CORRECTIVE ACTION SITE 26-17-01, PLUTO WASTE HOLDING AREA

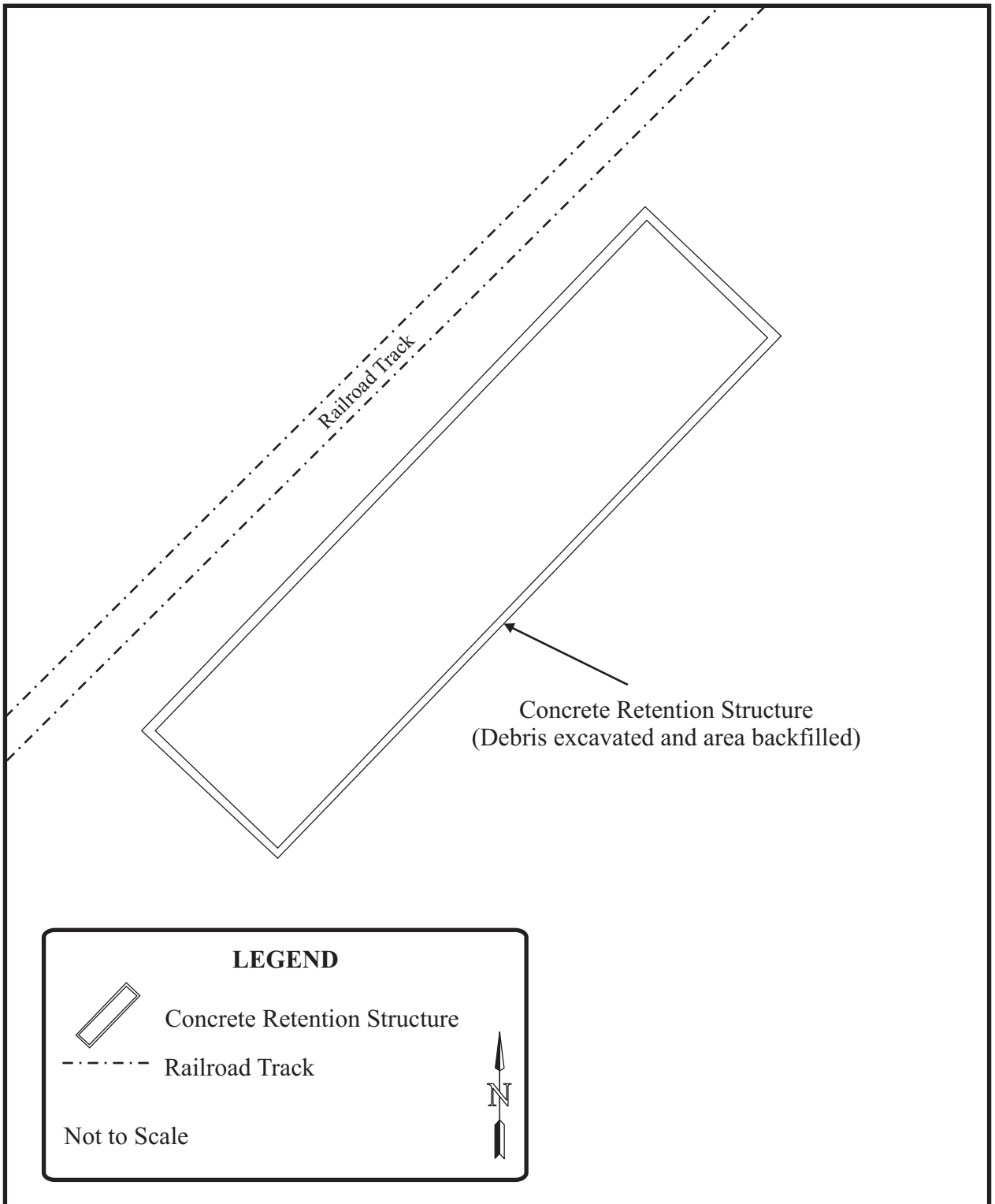


FIGURE 10
CORRECTIVE ACTION SITE 26-19-02, CONTAMINATED WASTE DUMP #2

Two drums containing wax-like material were discovered during closure activities and sampled, and the drums were transported to the Area 6 Hydrocarbon Landfill for disposal. The laboratory data reports for these samples are included in Appendix B of this report (Sample Delivery Groups V2805 and V2806). Three gas cylinders were also discovered, inspected, and found to be open. The cylinders were transported to the Area 9 U10c Sanitary Landfill for disposal.

A total of approximately 670 yd^3 of soil contained small pieces of radiologically impacted debris and had to be removed for disposal. The soil was packaged in soft-sided containers, and a total of 20 yd^3 was transported to the Area 5 RWMS for disposal as LLW. The remaining 650 yd^3 is currently staged onsite and will be transported to the Area 5 RWMS for disposal as LLW.

A final radiological survey was performed on the remaining concrete retention structure that indicated that residual contamination was not present above surface contamination limits specified in the NV/YMP Radiological Control Manual (DOE/NV, 2004). The excavation was backfilled with clean fill and contoured to the approximate surrounding grade.

2.2 DEVIATIONS FROM THE CORRECTIVE ACTION PLAN AS APPROVED

No deviations from Revision 1 of the CAP (NNSA/NSO, 2006b) were necessary.

2.3 CORRECTIVE ACTION SCHEDULE AS COMPLETED

Closure activities began in August 2005 and were completed in December 2006. Details of the schedule are provided in Table 2.

TABLE 2. CORRECTIVE ACTION UNIT 168 CLOSURE ACTIVITIES SCHEDULE

CORRECTIVE ACTION SITE	START DATE	END DATE
25-16-01, Construction Waste Pile	August 30, 2005	May 17, 2006
25-16-03, MX Construction Landfill	August 29, 2005	June 29, 2006
25-23-02, Radioactive Storage RR Cars	December 7, 2006	December 20, 2006
25-23-13, ETL-Lab Radioactive Contamination	September 8, 2005	September 15, 2005
25-23-18, Radioactive Material Storage	July 10, 2006	December 20, 2006
25-99-16, USW G3	September 14, 2005	September 14, 2005
26-08-01, Waste Dump/Burn Pit	August 30, 2005	October 25, 2006
26-17-01, Pluto Waste Holding Area	August 29, 2005	August 30, 2005
26-19-02, Contaminated Waste Dump #2	August 23, 2006	November 27, 2006

ETL: Engine Test Laboratory
MX: Missile Experimental
RR: railroad
USW: Underground Southern Nevada Well

2.4 SITE PLAN/SURVEY PLAT

At CAS 25-16-03 (MX Construction Landfill), an engineered soil cover was installed. The cover was as-built surveyed, and the as-built drawings are included as Appendix C of this report.

In addition, CAS 25-16-03 (MX Construction Landfill), CAS 25-23-02 (Radioactive Storage RR Cars), and CAS 25-99-16 (USW G3) were closed in place with administrative controls, and URs were implemented. Figures showing the locations of the surveyed points delineating the UR areas are included in Appendix E of this report.

3.0 WASTE DISPOSITION

This section describes the waste streams generated during closure activities and their final disposition. Waste streams included sanitary waste, hydrocarbon waste, *Toxic Substances Control Act* (TSCA)-regulated waste, ACM, ALLW, HW, LLW, TRU waste, MW, used oil, and UW. Waste disposition is summarized in Table 3 and discussed in detail in the following sections. Waste disposition documentation is included as Appendix D of this report.

3.1 WASTE MINIMIZATION

Industry standard waste minimization practices were applied throughout the course of closure activities. These practices included:

- Radiological survey instruments and ISOCS analysis to identify and segregate LLW
- Laboratory analysis to correctly characterize and segregate waste streams
- TPH field screening kits to guide the extents of the excavations for TPH-impacted soil
- Size reduction of debris

3.2 WASTE MANAGEMENT

All waste was managed according to applicable federal and state regulations, U.S. Department of Energy (DOE) orders, and company procedures. Waste management areas (WMAs) were established throughout the project, as needed. All WMAs were identified with appropriate signs and boundaries to restrict unauthorized access. The WMAs were inspected on a weekly or monthly basis, as required, to ensure that all containers were intact, not leaking, and not exceeding storage duration times. Applicable WMAs were posted as RMAs whenever radiological waste was stored in the area. Upon removal of radiologically impacted waste, the RMA was surveyed and de-posted.

Waste containers were purchased either new or reconditioned. All containers were inspected prior to use to verify that they were in good condition (e.g., no leaks, rust, or dents), lined or made of material that would not react with the waste, and met U.S. Department of Transportation requirements. The containers remained closed while stored unless waste was being added. Containers were also handled in such a manner that the integrity of the container was not compromised. Appropriate labels were affixed, and relevant information was marked on the containers with an indelible marker. All information was legible and clearly visible.

3.3 WASTE CHARACTERIZATION

Waste streams were characterized according to company procedures. Laboratory samples were collected, sealed with a custody seal, cooled to 4 degrees Celsius, and logged on a chain of custody. Waste was also screened for radiological contamination using radiological survey instruments and ISOCS analysis.

TABLE 3. CORRECTIVE ACTION UNIT 168 WASTE DISPOSITION SUMMARY

WASTE STREAM	CORRECTIVE ACTION SITE	VOLUME	DISPOSITION
Sanitary Waste	25-16-01, Construction Waste Pile	535 yd^3 debris	Disposed of at the Area 9 U10c Sanitary Landfill
	25-16-03, MX Construction Landfill	10 yd^3 debris	
	25-23-13, ETL-Lab Radioactive Contamination	30 yd^3 debris	
	25-23-18, Radioactive Material Storage	90 yd^3 debris	
		75 yd^3 dicalite	
	26-08-01, Waste Dump/Burn pit	600 yd^3 debris	
	26-19-02, Contaminated Waste Dump #2	90 yd^3 debris	
Hydrocarbon Waste	25-16-01, Construction Waste Pile	2 yd^3 soil	Disposed of at the Area 6 Hydrocarbon Landfill
	25-23-18, Radioactive Material Storage	2 yd^3 soil	
	26-08-01, Waste Dump/Burn pit	2 yd^3 soil	
	26-17-01, Pluto Waste Holding Area	2 yd^3 soil	
	26-19-02, Contaminated Waste Dump #2	0.6 yd^3 wax-like material	
TSCA Waste	25-23-18, Radioactive Material Storage	1 yd^3 soil	Disposed of at the Area 9 U10c Sanitary Landfill
	26-17-01, Pluto Waste Holding Area	3 yd^3 soil	
ACM	26-08-01, Waste Dump/Burn Pit	330 yd^3 debris	Disposed of at the Area 23 Sanitary Landfill
ALLW	26-19-02, Contaminated Waste Dump #2	0.3 yd^3 debris	Staged onsite for disposal at the Area 5 RWMS
HW	25-23-18, Radioactive Material Storage	55 gallons oil (from equipment)	Transported to an offsite facility for treatment and disposal
LLW	25-23-13, ETL-Lab Radioactive Contamination	60 yd^3 debris	Disposed of at the Area 5 RWMS
	25-23-18, Radioactive Material Storage	65 yd^3 debris 4 yd^3 soil 1 yd^3 solid material from casks	Staged onsite for disposal at the Area 5 RWMS
		1 yd^3 solidified liquid from casks	Transported to an offsite facility for treatment and disposal
	26-19-02, Contaminated Waste Dump #2	80 yd^3 debris	Disposed of at the Area 5 RWMS
		670 yd^3 soil	Staged onsite for disposal at the Area 5 RWMS (20 yd^3 disposed of at the Area 5 RWMS)
TRU waste	25-23-18, Radioactive Material Storage	1 drum smoke detectors	Transported to the Area 5 TRU Pad
MW	25-23-18, Radioactive Material Storage	0.3 yd^3 lead	Staged onsite for disposal at an offsite facility
		2 yd^3 lead 15 casks	Transported to an offsite facility for treatment and disposal
	26-19-02, Contaminated Waste Dump #2	2 yd^3 lead	
Used Oil	25-23-13, ETL-Lab Radioactive Contamination	55 gallons oil	Recycled
	25-23-18, Radioactive Material Storage	5 gallons coolant	
		55 gallons oil (from locomotives)	
UW	25-23-18, Radioactive Material Storage	2 batteries	Recycled at an offsite facility

ACM: asbestos-containing material
ALLW: asbestiform low-level waste
ETL: Engine Test Laboratory
HW: hazardous waste
LLW: low-level waste
MW: mixed waste
MX: Missile Experimental
RWMS: Radioactive Waste Management Site
TRU: transuranic
TSCA: *Toxic Substances Control Act*
UW: universal waste
yd^3: cubic yard(s)

3.4 WASTE STREAMS AND DISPOSAL

Waste streams generated during closure activities at CAU 168 included sanitary waste, hydrocarbon waste, TSCA-regulated waste, ACM, ALLW, HW, LLW, TRU waste, MW, used oil, and UW. Waste disposition documentation is included as Appendix D of this report.

3.4.1 Sanitary Waste

A total of approximately 1,430 yd^3 of sanitary waste was generated during closure activities. Debris was determined to be sanitary waste based on process knowledge, radiological survey results, and/or ISOCS sample results. All sanitary waste was transported in end-dump trucks to the Area 9 U10c Sanitary Landfill for disposal.

3.4.2 Hydrocarbon Waste

A total of approximately 8 yd^3 of TPH-impacted soil was excavated for disposal during closure activities. In addition, wax-like material found in two drums at CAS 26-19-02 (Contaminated Waste Dump #2) was determined to be impacted with hydrocarbons. Hydrocarbon waste was transported in drums or end-dump trucks to the Area 6 Hydrocarbon Landfill for disposal.

3.4.3 *Toxic Substances Control Act*-Regulated Waste

A total of approximately 4 yd^3 of PCB-impacted soil was excavated for disposal during closure activities. The concentration of PCBs in the waste was less than the Area 9 U10c Sanitary Landfill waste acceptance limit of 50 mg/kg; therefore, the soil was transported to the Area 9 U10c Sanitary Landfill for disposal.

3.4.4 Asbestos-Containing Material

A total of approximately 330 yd^3 of ACM was generated at CAS 26-08-01 (Waste Dump/Burn Pit) during closure activities. The ACM was packaged in "burrito bag" truck liners and transported to the Area 23 Sanitary Landfill for disposal.

3.4.5 Asbestiform Low-Level Waste

A total of approximately 0.3 yd^3 of ALLW was generated during closure activities at CAS 26-19-02 (Contaminated Waste Dump #2). The ALLW was packaged in a drum, is currently staged onsite, and will be transported to the Area 5 RWMS for disposal.

3.4.6 Hazardous Waste

A total of approximately 55 gallons of oil drained from equipment located at CAS 25-23-18 (Radioactive Material Storage) was determined to be impacted with hazardous constituents. The oil was transported offsite for treatment and disposal.

3.4.7 Low-Level Waste

A total of approximately 880 yd^3 of LLW was generated during closure activities. Radiologically impacted soil and debris were properly packaged and staged. A total of 60 yd^3 of LLW generated at CAS 25-23-13 (ETL-Lab Radioactive Contamination) was transported to the Area 5 RWMS for disposal. LLW generated by solidifying the cask contents at CAS 25-23-18 (Radioactive Material Storage) was transported offsite for treatment and disposal. A total of 100 yd^3 of debris and soil from CAS 26-19-02 (Contaminated Waste Dump #2) was transported to the Area 5 RWMS for disposal. LLW that is currently staged onsite at CAS 25-23-18 (Radioactive Material Storage) and CAS 26-19-02 (Contaminated Waste Dump #2) will be transported to the Area 5 RWMS for disposal.

3.4.8 Transuranic Waste

The drum labeled "lithium hydride" from CAS 25-23-18 (Radioactive Material Storage) was opened and found to contain smoke detectors, which must be handled and disposed of as TRU waste. The smoke detectors were transported to the Area 5 TRU Pad.

3.4.9 Mixed Waste

A total of approximately 4 yd^3 of radiologically impacted solid lead from CAS 25-23-18 (Radioactive Material Storage) and CAS 26-19-02 (Contaminated Waste Dump #2) was packaged in a B-25 box and transported to a permitted offsite facility for treatment and disposal. In addition, fifteen empty storage casks were managed as MW and transported to a permitted offsite facility for treatment and disposal. An additional 0.3 yd^3 of radiologically impacted solid lead from CAS 25-23-18 (Radioactive Material Storage) is currently staged onsite and will be transported offsite for treatment and disposal.

3.4.10 Used Oil

A total of approximately 115 gallons of fluids, including oil and coolant, that were drained from equipment reservoirs at CAS 25-23-13 (ETL-Lab Radioactive Contamination) and locomotives at CAS 25-23-18 (Radioactive Material Storage) were determined to be free of radiological and hazardous constituents and were recycled as used oil.

3.4.11 Universal Waste

Two batteries were removed from equipment at CAS 25-23-18 (Radioactive Material Storage). They were determined to be free of radiological contamination and managed as UW. The batteries were transferred to an offsite facility for recycling.

4.0 CLOSURE VERIFICATION RESULTS

To verify that CAU 168 closure activities met cleanup criteria, soil verification samples were collected and analyzed at four CASs. The results showed no COCs above the action levels remained at the sites. Sample results are summarized in Table 4 through Table 7, and the laboratory data reports are included in Appendix B of this report. In addition, final radiological surveys of CAS 25-23-13 (ETL-Lab Radioactive Contamination) and CAS 26-19-02 (Contaminated Waste Dump #2) were performed to verify that residual contamination was not present above surface contamination limits specified in the NV/YMP Radiological Control Manual (DOE/NV, 2004).

4.1 DATA QUALITY ASSESSMENT

Accurate and defensible analytical data were collected to verify that waste and verification samples were properly characterized, managed, and disposed during CAU 168 closure activities. The following sections describe the quality assurance (QA)/quality control (QC) procedures, data validation process, and a reconciliation of the CSM with actual findings during CAU 168 closure activities. More detail on the QA/QC procedures for CAU 168 can be found in Revision 1 of the CAP for CAU 168 (NNSA/NSO, 2006b).

4.1.1 Quality Assurance/Quality Control Procedures

Verification and waste characterization samples were collected with disposable polyethylene scoops and placed in appropriately labeled sample containers secured with custody seals. All samples were labeled with a unique sample number, placed on ice, and transported under a chain of custody. Standard QA/QC samples were collected (i.e., one blind duplicate per twenty samples). Samples were analyzed by certified offsite contract laboratories. Analytical results were validated at the laboratory using stringent QA/QC procedures, including matrix spike/matrix spike duplicates, spiked surrogate recovery analysis, verification of analytical results, and data quality indicator requirements. Detailed information regarding the QA/QC program requirements can be found in the Industrial Sites QAPP (NNSA/NV, 2002).

4.1.2 Data Validation

Data validation was performed according to the Industrial Sites QAPP (NNSA/NV, 2002) which is based on the U.S. Environmental Protection Agency (EPA) functional guidelines for data quality (EPA, 1994 and 1999). Data were reviewed to ensure that samples were appropriately processed and analyzed, and that the results are valid. All sample data were internally validated at the Tier I and Tier II levels. No anomalies were discovered in the data that would discredit any of the waste characterization or verification sample results. While only summary laboratory QC data for verification samples are included in Appendix B of this report, the complete data set, including validation reports for waste characterization and verification samples, is maintained in the project files and available upon request.

TABLE 4. CORRECTIVE ACTION SITE 25-16-01 VERIFICATION SAMPLE RESULTS

DATE COLLECTED	SAMPLE DELIVERY GROUP	SAMPLE NUMBER	TPH DRO (mg/kg)	TPH GRO (mg/kg)
			PAL = 100	PAL = 100
08/31/2005	V2538	168251601-V1	ND	ND
		168251601-V2	ND	ND
		168251601-V3	ND	ND
		168251601-V4	ND	ND
		168251601-V5	ND	ND
		168251601-V6	ND	ND

mg/kg: milligrams per kilogram
ND: not detected above minimum laboratory detection limits
PAL: preliminary action level
TPH DRO: total petroleum hydrocarbons diesel range organics
TPH GRO: total petroleum hydrocarbons gasoline range organics

TABLE 5. CORRECTIVE ACTION SITE 25-23-18 VERIFICATION SAMPLE RESULTS

LOCATION OF SAMPLE	DATE COLLECTED	SAMPLE DELIVERY GROUP	SAMPLE NUMBER	RADIOLOGICAL ISOTOPES	PCBs (mg/kg)	TPH DRO (mg/kg)
					PAL = 1	PAL = 100
Discarded Equipment Pile Footprint	07/12/2006	V2709	168252318-2A	--	--	ND
			168252318-2B	--	--	ND
			168252318-2C	--	--	3.5
			168252318-2D	--	--	ND
			168252318-2E	--	--	ND
South Bunker	07/17/2006		168252318-TPH1A	--	--	4.6
			168252318-TPH1B	--	--	7.9
			168252318-TPH1C	--	--	5.8
RR Spur "Q"	07/20/2006	V2718	168252318-PCB1	--	ND	--
			168252318-PCB2	--	ND	--
			168252318-PCB3	--	ND	--
			168252318-PCB4	--	Aroclor-1260 = 0.022	--
			168252318-PCB5	--	Aroclor-1260 = 0.022	--
			168252318-PCB6	--	ND	--
West of Gate	10/01/2006	V2794	2523181V1	< PALs	--	--
			2523181V2	< PALs	--	--
			2523181V3	< PALs	--	--
RR Spur "M"	11/09/2006	V2806	2523182V1	< PALs	--	--
			2523182V2	< PALs	--	--
RR Spur "S"	11/09/2006		2523183V1	< PALs	--	--
			2523183V2	< PALs	--	--
RR Spur "O"	10/01/2006	V2794	2523184V1	< PALs	--	--
			2523184V2	< PALs	--	--

--: not analyzed for in sample
mg/kg: milligrams per kilogram
ND: not detected above minimum laboratory detection limits
PAL: preliminary action level
PCBs: polychlorinated biphenyls
RR: railroad
TPH DRO: total petroleum hydrocarbons diesel range organics

TABLE 6. CORRECTIVE ACTION SITE 26-08-01 VERIFICATION SAMPLE RESULTS

DATE COLLECTED	SAMPLE DELIVERY GROUP	SAMPLE NUMBER	TPH DRO (mg/kg)	TPH GRO (mg/kg)
			PAL = 100	PAL = 100
08/30/2005	V2538	168260801-V1	ND	ND
		168260801-V2	ND	ND
		168260801-V3	ND	ND
		168260801-V4	ND	ND
		168260801-V5	ND	ND
		168260801-V6	ND	ND

mg/kg: milligrams per kilogram
ND: not detected above minimum laboratory detection limits
PAL: preliminary action level
TPH DRO: total petroleum hydrocarbons diesel range organics
TPH GRO: total petroleum hydrocarbons gasoline range organics

TABLE 7. CORRECTIVE ACTION SITE 26-17-01 VERIFICATION SAMPLE RESULTS

DATE COLLECTED	SAMPLE DELIVERY GROUP	SAMPLE NUMBER	PCBs (mg/kg)	TPH DRO (mg/kg)	TPH GRO (mg/kg)
			PAL = 1	PAL = 100	PAL = 100
08/29/2005	V2538	168261701-V1	ND	--	--
		168261701-V2	ND	--	--
		168261701-V3	Aroclor-1260 = 0.067	--	--
		168261701-V4	ND	--	--
		168261701-V5	ND	--	--
		168261701-V6	ND	--	--
		168261701-V7	--	ND	ND
		168261701-V8	--	ND	ND
		168261701-V9	--	ND	ND
		168261701-V10	--	ND	ND
		168261701-V11	--	ND	ND
08/30/2005		168261701-V12	--	ND	ND

--: not analyzed for in sample
mg/kg: milligrams per kilogram
ND: not detected above minimum laboratory detection limits
PAL: preliminary action level
PCBs: polychlorinated biphenyls
TPH DRO: total petroleum hydrocarbons diesel range organics
TPH GRO: total petroleum hydrocarbons gasoline range organics

4.1.3 Conceptual Site Models

Five CAU 168 CSMs were developed and were presented in the approved Corrective Action Investigation Plan for CAU 168 (NNSA/NV, 2001). A detailed description of the CSMs is presented in Section 1.3.1 of this report. All CSMs were confirmed by soil sample results and verified during closure activities.

4.2 USE RESTRICTION

URs have been implemented for the following CASs:

- CAS 25-16-03, MX Construction Landfill
- CAS 25-23-02, Radioactive Storage RR Cars
- CAS 25-99-16, USW G3

4.2.1 CAS 25-16-03, MX Construction Landfill

At this site, an engineered soil cover was installed, and UR warning signs were posted to warn against intrusive activity according to the FFACO UR posting guidance (FFACO, 2003). The CAU Land-Use Restriction Information form and a figure showing the locations of the surveyed points delineating the UR area are included in Appendix E of this report. Annual site inspections will be required to ensure that the signs are intact and legible and that the UR is maintained. Details on the post-closure requirements are included in Section 5.2 of this report.

4.2.2 CAS 25-23-02, Radioactive Storage RR Cars

At this site, UR warning signs were posted to warn against intrusive activity and limit access to the RR cars according to the FFACO UR posting guidance (FFACO, 2003). The CAU Land-Use Restriction Information form and a figure showing the locations of the surveyed points delineating the UR area are included in Appendix E of this report. Annual site inspections will be required to ensure that the signs are intact and legible and that the UR is maintained. Details on the post-closure requirements are included in Section 5.2 of this report.

4.2.3 CAS 25-99-16, USW G3

At this site, a radiological source that was entombed in concrete in a subsurface well was use-restricted. UR warning signs were posted to warn against intrusive activity according to the FFACO UR posting guidance (FFACO, 2003). The CAU Land-Use Restriction Information form and a figure showing the locations of the surveyed points delineating the UR area are included in Appendix E of this report. Annual site inspections will be required to ensure that the signs are intact and legible and that the UR is maintained. Details on the post-closure requirements are included in Section 5.2 of this report.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

The following site closure activities were performed at CAU 168 and are documented in this CR:

- CAS 25-16-01 (Construction Waste Pile) was clean closed by removing and disposing of construction debris and TPH-impacted soil.
- CAS 25-16-03 (MX Construction Landfill) was closed in place with administrative controls. An engineered soil cover was installed, and UR warning signs were posted.
- CAS 25-19-02 (Waste Disposal Site) required no further action.
- CAS 25-23-02 (Radioactive Storage RR Cars) was closed in place with administrative controls. UR warning signs were posted on the existing chainlink fence.
- CAS 25-23-13 (ETL-Lab Radioactive Contamination) was clean closed by removing and disposing of radiologically contaminated equipment, a ventilation system, and associated duct work.
- CAS 25-23-18 (Radioactive Material Storage) was clean closed by excavating TPH-impacted soil, PCB-impacted soil, and radiologically contaminated soil. Storage casks, solid lead items, dicalite bags, a transportainer and its contents, and other miscellaneous surface debris were also removed.
- CAS 25-34-01 (NRDS Contaminated Bunker) required no further action.
- CAS 25-34-02 (NRDS Contaminated Bunker) required no further action.
- CAS 25-99-16 (USW G3) was closed in place with administrative controls. UR warning signs were posted.
- CAS 26-08-01 (Waste Dump/Burn Pit) was clean closed by removing and disposing of construction debris, ACM, and TPH-impacted soil.
- CAS 26-17-01 (Pluto Waste Holding Area) was clean closed by removing and disposing of TPH-impacted soil and PCB-impacted soil.
- CAS 26-19-02 (Contaminated Waste Dump #2) was clean closed by removing radiologically contaminated debris and soil, solid lead items, ACM, and construction debris.

5.2 POST-CLOSURE REQUIREMENTS

5.2.1 Inspections

Inspections are required for the following CASs:

- CAS 25-16-03, MX Construction Landfill
- CAS 25-23-02, Radioactive Storage RR Cars
- CAS 25-99-16, USW G3

Inspections will be performed on an annual basis for the first five years and once every five years thereafter, for a total of thirty years. Inspections will consist of visual observations to verify that fencing is in good condition, UR warning signs at each CAS are in place and readable, and that the UR is maintained. The interiors of the UR areas will also be inspected to confirm there have been no disturbances to the area. If any maintenance and repair requirements are identified, funding will be requested and the repairs scheduled. Any repairs will be documented in writing at the time of repair.

The condition of the fencing and postings will be documented in the combined NTS post-closure annual letter report. The letter report will include a discussion of observations and provide a record of any maintenance activities. A copy of the letter report will be submitted to the Nevada Division of Environmental Protection (NDEP).

5.3 RECOMMENDATIONS

Since closure activities for CAU 168 have been completed following Revision 1 of the NDEP-approved CAP (NNSA/NSO, 2006b) as documented in this report, NNSA/NSO requests the following:

1. A Notice of Completion be provided by NDEP to NNSA/NSO for the closure of CAU 168.
2. The transfer of CAU 168 from Appendix III to Appendix IV, Closed Corrective Action Units, of the FFACO (FFACO, 1996).

6.0 REFERENCES

DOE/NV, see U.S. Department of Energy, Nevada Operations Office.

EPA, see U.S. Environmental Protection Agency.

Federal Facility Agreement and Consent Order, 1996 (as amended). Agreed to by the state of Nevada, the U.S. Department of Energy, and the U.S. Department of Defense.

Federal Facility Agreement and Consent Order, 2003. Use Restriction Posting Guidance.

FFACO, see *Federal Facility Agreement and Consent Order*.

NNSA/NSO, see U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office

NNSA/NV, see U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office

U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office, 2001. *Corrective Action Investigation Plan for Corrective Action Unit 168: Areas 25 and 26 Contaminated Materials and Waste Dumps, Nevada Test Site, Nevada.* DOE/NV--780. Las Vegas, NV.

U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office, 2002. *Nevada Environmental Restoration Project Industrial Sites Quality Assurance Project Plan, Nevada Test Site, Nevada.* DOE/NV--372-REV.3. Las Vegas, NV.

U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office, 2006a. *Corrective Action Decision Document for Corrective Action Unit 168: Areas 25 and 26 Contaminated Materials and Waste Dumps, Nevada Test Site, Nevada.* DOE/NV--882-REV.2. Las Vegas, NV.

U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office, 2006b. *Corrective Action Plan for Corrective Action Unit 168: Area 25 and 26 Contaminated Materials and Waste Dumps, Nevada Test Site, Nevada.* DOE/NV--971-REV.1. Las Vegas, NV.

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U.S. Environmental Protection Agency, 1994. *Guidance for the Data Quality Objectives Process*. EPA QA/G-4. Washington D.C.

U.S. Environmental Protection Agency, 1999. *Contract Laboratory Program National Functional Guidelines for Organic Data Review*. EPA540/R-99/008. Washington D.C.

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APPENDIX A*

DATA QUALITY OBJECTIVES

* As presented and published in Appendix A of the approved *Corrective Action Investigation Plan for Corrective Action Unit 168: Areas 25 and 26 Contaminated Materials and Waste Dumps, Nevada Test Site, Nevada*, 2001, DOE/NV--780. Las Vegas, NV.

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A.1.0 DQO Overview

The CAU 168 investigation will be based on the DQOs developed by representatives of NDEP and NNSA/NV. The DQO process is a strategic planning approach based on the scientific method that is used to prepare for a site investigation/characterization data collection activity. The DQO process is designed to ensure that the data collected will provide sufficient and reliable information to identify, evaluate, and technically defend the chosen corrective action, if necessary.

Existing information about the nature and extent of contamination at 11 of the 12 CASs in CAU 168 is insufficient to evaluate and select preferred corrective actions. Only CAS 25-99-16 has enough existing information to select a preferred corrective action alternative of close in place with land-use restrictions. Therefore, this site will not be addressed during the DQO process. Because the investigation of CAU 168 will occur in two phases, separate DQOs for each phase have been developed. Step 1, State the Problem has elements common to both phases of the investigation (e.g., CSMs and Planning Team) and those common elements will be addressed in Section A.1.0. The environmental problem particular to each phase will be addressed in each separate phase. The remaining Steps 2 through 7 will be specific to each phase.

A.1.1 DQO Planning Team

The DQO planning team for the FFACO-required DQO Kick-Off Meeting consists of representatives from ITLV, NNSA/NV, BN, and NDEP. The primary decision makers include representatives from NNSA/NV and NDEP. Decision makers will receive notifications as work progresses and when decision points are reached within the investigation/characterization data collection activities.

A.1.2 Background

The August 14, 2001, DQO meeting provided brief descriptions of each CAS to acquaint the planning team with the environmental problems identified at CAU 168 (copies of the presentation are available in project files). Section 2.0 of the CAIP provides background information including physical setting and operational history. Existing references that were reviewed and are the primary source for the background information are provided in Section A.4.0.

Twelve CASs comprise CAU 168, Area 25 and 26 Contaminated Materials and Waste Dumps. Nine CASs are in Area 25 and three CASs are in Area 26. The twelve CASs are:

- CAS 25-16-01, Construction Waste Pile
- CAS 25-16-03, MX Construction Landfill
- CAS 25-19-02, Waste Disposal Site
- CAS 25-23-02, Radioactive Storage RR Cars
- CAS 25-23-13, ETL-Lab Radioactive Contamination
- CAS 25-23-18, Area 25 Radioactive Material Storage
- CAS 25-34-01, NRDS Contaminated Bunker
- CAS 25-34-02, NRDS Contaminated Bunker
- CAS 25-99-16, Underground Southern Nevada Well G3 (USW G3)
- CAS 26-08-01, Waste Pile/Burn Pit
- CAS 26-17-01, Pluto Waste Holding Area
- CAS 26-19-02, Contaminated Waste Dump #2

A.1.3 Conceptual Site Model

The CSM describes the most probable scenario for current conditions at each site and defines the assumptions that are the basis for identifying appropriate sampling strategy and data collection methods. An accurate conceptual site model is important as it serves as the basis for all subsequent inputs and decisions throughout the DQO process. The basis for developing the CSMs was process knowledge and historical records.

If additional elements are identified during investigation/characterization activities that are outside the scope of the CSMs as presented, the situation will be reviewed and a recommendation will be made has to how best to proceed. For example, if radionuclides are found to be present at CAS 25-16-01, a construction/sanitary waste pile, then the sample design will be reevaluated for its adequacy in generating the type of data required for decision making. In such cases, NDEP will be notified and given the opportunity to comment on, or concur with, the recommendation.

Future land-use scenarios limit future uses to various nonresidential uses (DOE/NV, 1998). Eleven of the CASs in Areas 25 and 26 are located within the Research, Test, and Experiment Zone under Alternative 3 (DOE/NV, 1998). This zone is designated for small-scale research and development projects; demonstrations; pilot projects; outdoor tests; and experiments for the development, quality assurance, or reliability of conditions. This zone includes compatible defense and nondefense research, development, and testing projects and activities (DOE/NV, 1998). Corrective Action

Site 25-99-16 is located west of Area 25 on U.S. Bureau of Land Management property in Nye County. It is currently in an area under a mineral and mining leasing withdrawal for the Yucca Mountain Site Characterization Project.

Exposure scenarios for sites located within the NTS boundaries are limited by the future land-use scenarios to site workers who may be exposed to COPCs through oral ingestion, inhalation, or dermal contact (absorption) of soils and/or debris (e.g., equipment, concrete) due to inadvertent disturbance of these materials. An additional exposure pathway through external/gamma exposure is present at each site containing potential radiological contamination (e.g., CASs within the RMSF).

Several of the CASs are grouped together based on similar conceptual model elements and documented assumptions and are discussed in the following sections. Table A.1-1 provides information on additional CSM elements for each CAS that will be used throughout the remaining steps of the DQO process.

A.1.3.1 Waste Dumps and Landfills

This section describes CSM elements and assumptions for CASs designated as various types of waste disposal sites and include the following:

- 25-16-01
- 25-16-03
- 25-19-02
- 26-19-02
- 26-08-01

Debris of various origins are reportedly buried in the subsurface and covered with fill materials, with the exception of CAS 26-08-01 where debris is located primarily at the surface with no cover material. Figure A.1-1 and Figure A.1-2 show generalized representations of the CSM constructed for current site conditions at the waste disposal sites. The CSM diagram shown in Figure A.1-2 for CAS 26-19-02 (CWD-2) is required to illustrate differences in migration and transport pathways due to the presence of an engineered barrier.

The primary source of potential contamination for all five CASs is associated with the disposal and/or burial of various combinations of construction debris, sanitary waste, radiologically contaminated materials, and/or potentially hazardous wastes. Surface and subsurface soils are the affected media

Table A.1-1
Conceptual Site Model
Description of Elements for Each CAS in CAU 168
(Page 1 of 2)

CSM	Waste Disposal Sites[a]					Contaminated Materials and Facilities[b]				Individual CSMs[c]		
CAS Identifier	**25-16-01**	**25-16-03**	**25-19-02**	**26-19-02**	**26-08-01**	**25-23-02**	**25-23-13**	**25-34-01**	**25-34-02**	**25-23-18**	**26-17-01**	**25-99-16**
CAS Description	**Construction Waste Pile at E-MAD**	**MX Construction Landfill**	**Waste Disposal Site at R-MAD**	**Project Pluto Contaminated Waste Dump #2**	**Project Pluto Waste Pile/ Burn Pit**	**Radioactive Storage Railroad Cars**	**ETL Laboratory Radioactive Contamination**	**NRDS Contaminated Bunker**	**NRDS Contaminated Bunker**	**Area 25 Radioactive Material Storage**	**Project Pluto Waste Holding Area**	**Underground Southern Nevada Well USW G-3**
Source(s) of Potential Contamination	Disposal of construction waste	Disposal of sanitary and construction waste	Surface disposal of discarded equipment and materials	Disposal of operational wastes	Disposal of construction waste and miscellaneous materials	Nuclear engine and rocket testing	Experiments with contaminated soils and animal parts	Contamination from storage of contaminated materials	Contamination from storage of contaminated materials	Nuclear engine and rocket testing; soil contaminated from stored materials	Radioactive effluent from building floor drains and test pad	Logging tool with gamma-radiation source lost downhole at approximately 1,250 ft bgs
Affected Media	Soil/sediment	Soil	Soil/sediment	Soil/concrete	Soil/sediment	Solid materials, predominantly metals	Solid materials	Concrete	Concrete	Soil and solid materials	Soil and effluent line piping	Concrete and bedrock
Site Status	Sites are inactive and/or abandoned with no additional disposal of materials or liquids									Radioactively contaminated materials present at site may contribute additional contamination to soil	It is unknown if drains are still open within building	As of 1995, USW G-3 was used to monitor groundwater elevation, current status is not known
Amount Released	Unknown											200 millicuries of cesium-137 as of July 30, 1977
Potentially Released Material	Contaminants released or eroded from solids; residual amounts of fluids from discarded containers			Solubilized and/or particulate activation and fission products and uranium	Contaminants released or eroded from solids; residual amounts of fluids from discarded containers	Solubilized and/or particulate activation and fission products, and uranium	Solubilized and/or particulate radionuclides including plutonium and uranium isotopes	Solubilized and/or particulate activation and fission products and uranium		Solubilized and/or particulate activation and fission products and uranium; hydrocarbons (grease and oil) from leaking equipment	Solubilized and/or particulate fission products and uranium	Cesium-137 source
Existing/Historical Data on COPCs	No records available					Alpha, beta, and gamma radioactivity above free release based on surveys and swipe counts	No records available			Radiological survey/sampling indicates above-background cobalt-60 and cesium-137 activity	Two surface soil samples analyzed for gamma emitters only naturally occurring radionuclides detected	Remaining activity calculated at 115 millicuries of cesium-137

Table A.1-1
Conceptual Site Model
Description of Elements for Each CAS in CAU 168
(Page 2 of 2)

CSM	Waste Disposal Sites[a]					Contaminated Materials and Facilities[b]				Individual CSMs[c]		
CAS Identifier	**25-16-01**	**25-16-03**	**25-19-02**	**26-19-02**	**26-08-01**	**25-23-02**	**25-23-13**	**25-34-01**	**25-34-02**	**25-23-18**	**26-17-01**	**25-99-16**
CAS Description	**Construction Waste Pile at E-MAD**	**MX Construction Landfill**	**Waste Disposal Site at R-MAD**	**Project Pluto Contaminated Waste Dump #2**	**Project Pluto Waste Pile/ Burn Pit**	**Radioactive Storage Railroad Cars**	**ETL Laboratory Radioactive Contamination**	**NRDS Contaminated Bunker**	**NRDS Contaminated Bunker**	**Area 25 Radioactive Material Storage**	**Project Pluto Waste Holding Area**	**Underground Southern Nevada Well USW G-3**
Migration Mechanism(s)	Soil: infiltration of precipitation Surface water and sediment: possible runoff to a natural wash	Soil: infiltration of precipitation	Soil: infiltration of precipitation Surface water and sediment: possible runoff to a natural wash	Soil: infiltration of precipitation (limited if disposal pit has concrete floor) From concrete surfaces: runoff of precipitation and/or degration of concrete may cause migration to soil	Soil: infiltration of precipitation Surface water and sediment: possible runoff to a natural wash	From railroad cars and material: runoff of precipitation and degradation of solids may cause migration to surface soil at CAS 25-23-18	From parts of system on roof: runoff of precipitation and/or degradation may cause release to environment From parts inside building: no credible pathway to environment	From concrete surfaces: runoff of precipitation and/or degration of concrete may cause migration to soil at CAS 25-23-18		Soil: infiltration of precipitation From materials: runoff of precipitation and degradation of materials may cause migration to soil	Soil: infiltration of precipitation Effluent line piping: potential flushing of contaminants from line	None (see text)
Groundwater	Groundwater impacts are not expected. The depth to groundwater measured in six wells in Jackass Flats (Area 25) varies between 710 to 1,160 feet (ft) below ground surface (bgs) (USGS, 1995a). In Area 26, perched groundwater is reported from 81 to 167 ft bgs (USGS, 1964). The regional water table in Area 26 is thought to be approximately 1,700 ft bgs (DRI, 1988).											Depth to groundwater in Well USW G-3 is 2,460 ft bgs (USGS, 1993)

[a]Refer to Section A.1.3.1 for additional text.
[b]Refer to Section A.1.3.2 for additional text.
[c]Refer to Sections A.1.3.3 through A.1.3.5 for additional text.

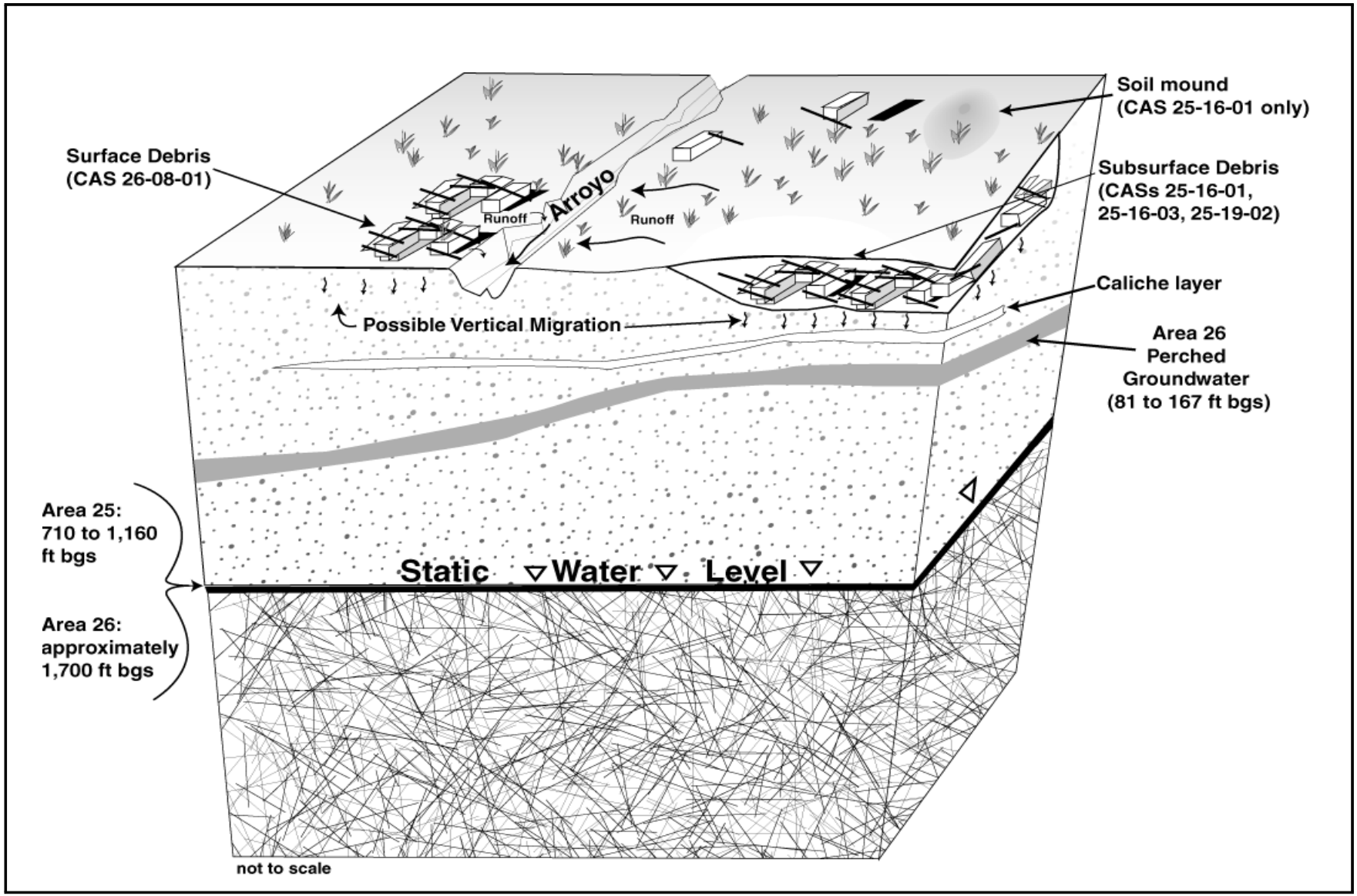

Figure A.1-1
Conceptual Site Model for Waste Disposal Sites

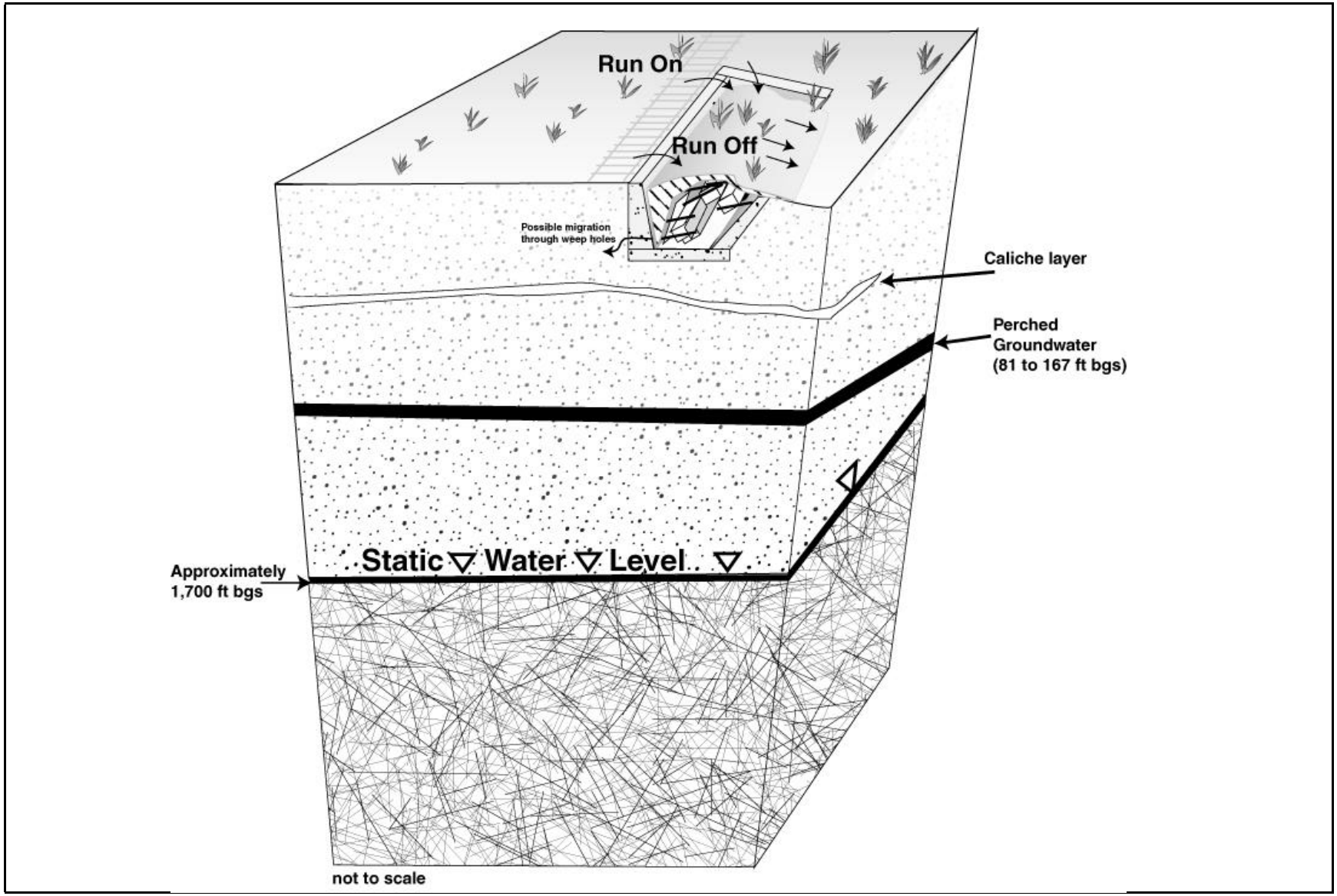

Figure A.1-2
Conceptual Site Model for CAS 26-19-02, Project Pluto Contaminated Waste Dump #2

where material contributing to potential contamination may have been directly released via residual fluids in discarded containers, erosion of various contaminants off the surface of solid materials, and/or leaching of contaminants from materials. The primary materials disposed at each site as determined by historical information are listed in Table A.1-1.

The production of leachate generated in any of the waste disposal sites is assumed to be minimal based on low precipitation, high evapotranspiration rates, limited volumes of residual fluids from discarded containers, and the nature of debris/waste disposed at site (e.g., construction debris). For CASs 25-16-01, 25-16-03, 25-19-02, and 26-08-01, it is assumed that the waste disposal sites are not lined with engineered barriers; therefore, vertical migration of potentially hazardous leachate would typically predominate over lateral migration. However, three of the CASs are located within potential water courses (25-16-01, 25-19-02, and 26-08-01), which increase the likelihood of lateral migration of contaminants downstream during heavy rainfall events. The CWD-2 (CAS 26-19-02) is constructed with concrete barriers so that vertical and lateral migration of potential radioactive leachate would be restricted from reaching surrounding soils.

Historical documentation and field observations identify the approximate locations of buried materials at CASs 25-16-01 (E-MAD area) and 25-16-03 (MX landfill). Although geophysical surveys are not yet available for CAS 25-16-01, it is assumed that subsurface anomalies identified by geophysics represent the areas of buried waste and locations of any COPC releases into the environment. Process knowledge indicates that only construction and possibly sanitary wastes were disposed of at these two sites. Historical photos indicate that material was burned within a trench or depression at CAS 25-16-01, thereby potentially limiting the volume of debris.

At CAS 25-19-02 (R-MAD area), historical documentation provides information for only the "potential" of buried materials. There are no records that specifically identify the area as a buried waste disposal area, rather the area has been historically identified as a holding area. Therefore, its assumed that if debris (and consequently potential contamination) is present anywhere within geographic area of the CAS, it will be located at subsurface geophysical anomalies identified in recent surveys. In addition, it is assumed that material would be close to the surface (e.g., less than 5 ft bgs) since the area was not originally designated as a burial waste dump or landfill. The anomalies suggest discrete, separate areas rather than a trench-like configuration. If buried material

is identified, its assumed that materials may be radiologically contaminated based on historical R-MAD operations.

Debris and waste, and consequently any contamination, present at CAS 26-08-01 is confined to the surface and near-surface soils and primarily along the north side of a small drainage. The debris present can be divided conceptually into four populations or source terms based on common properties within each population. These consist of (1) soil piles, (2) construction debris, (3) miscellaneous debris, and (4) the burn pit soil. The existence and location of a burn pit has not been confirmed. Uses for the pit are assumed to have been burning trash, debris, and possibly explosives. If explosives were burned, residues are assumed to be minimal based on burning properties of explosives. The debris appears stable along sides of wash, but erosion into the arroyo during heavy rainfall and flash flood events is possible. However, the arroyo appears to have been modified by construction activities for the Project Pluto Testing facility, which subsequently truncated the arroyo from the upstream drainage. This limits the potential volume of water for flash flood events to the drainage from the immediate area.

Based on historical documentation and recent radiological surface surveys, potentially radiologically contaminated materials at CAS 26-19-02 are not immediately located at the surface. Based on field observations during recent site visits, limited excavation appears to have occurred in portions of the dump which could have diminished the original volume of waste. However, no documentation has been identified to support this assumption. Based on field observations of the exposed sections, the concrete barriers of the CWD-2 appear to be intact with minimal degradation. A linear anomaly observed in geophysical survey data appears to represent a buried sloping concrete wall; it is not caused by buried waste or debris.

A.1.3.2 Contaminated Facilities and Materials

Corrective action sites with radiologically contaminated materials and/or facilities comprise this CSM. Individual CSM diagrams are not included for these sites; however, the CASs located within the RMSF are included in Figure A.1-3 as sources of potential contamination to surrounding soils. This CSM includes the following CASs:

- 25-23-02
- 25-34-01

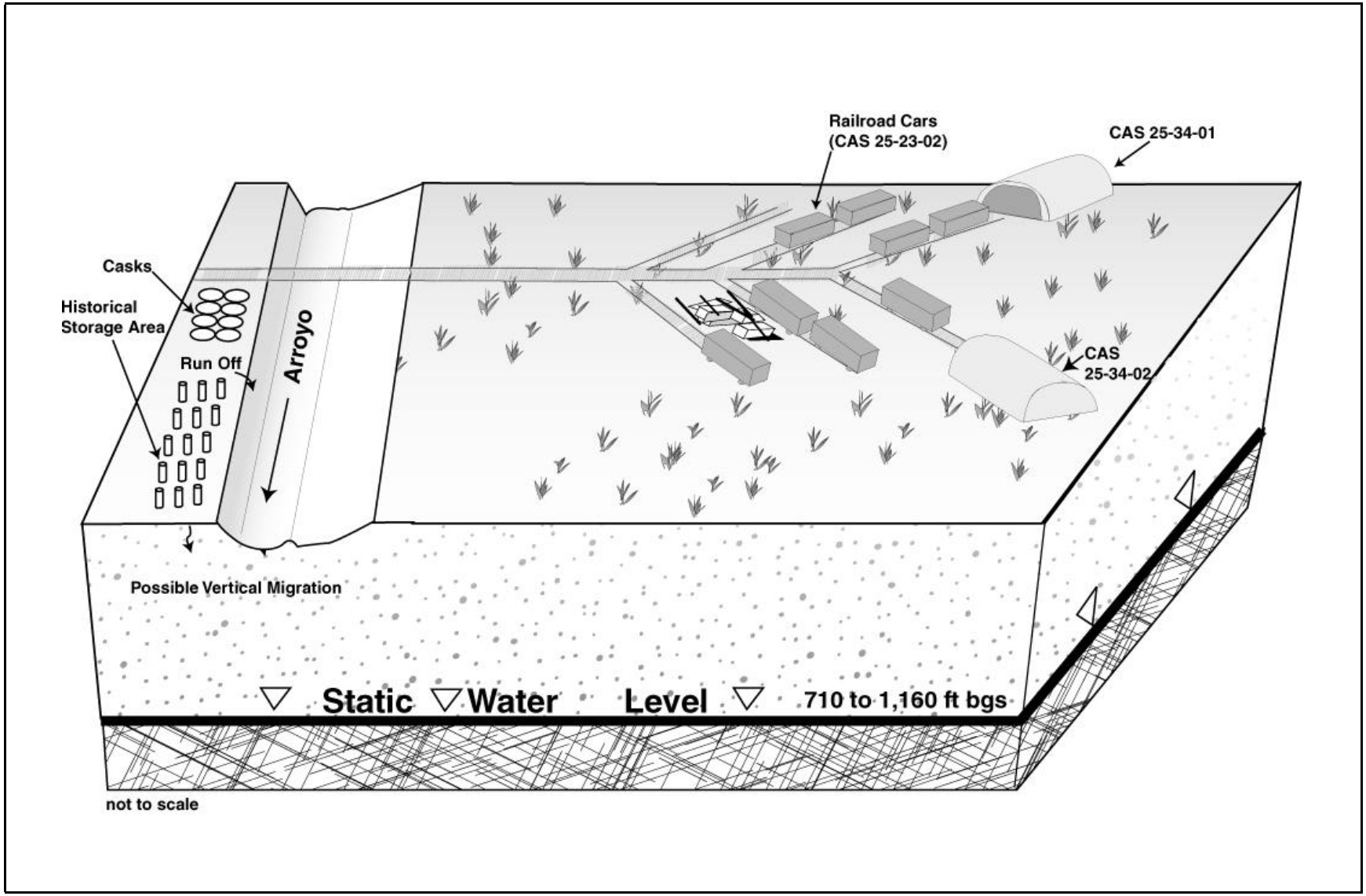

Figure A.1-3
Conceptual Site Model for CASs in the Radioactive Material Storage Facility

- 25-34-02
- 25-23-13

These CASs are grouped together based on the nature of contamination affecting surfaces of structures such as walls, concrete, and various metallic parts rather than soil contamination. The COPCs, if present, are associated with the release of radionuclides directly or indirectly onto the surface of materials. The primary sources of radioactivity were activation and fission products from the nuclear engine/reactor testing at Area 25 and 26 at four of five CASs. The source of release for the fifth CAS, 25-23-13, was various soil and animal tissue experiments involving a variety of radionuclides at the TTF laboratory. The original source terms for all five CASs have been removed.

With the exception of CAS 25-23-13, all sites have the potential for migration of removable radionuclides from structural surfaces to surrounding soils via precipitation runoff and/or corrosion of the material (e.g., metal). In each case, resulting contamination from migration of these contaminants is covered by other CASs; therefore, investigation activities would be limited to the structures themselves and not the surrounding soil. For example, the extent of contamination on the concrete bunker walls will not extend to include the soils at the ground surface because those soils will be investigated under CAS 25-23-18.

At CAS 25-23-02, parts of the railroad cars and other materials stored on the cars are known to have been directly activated by the neutron source present during nuclear engine/reactor operation; additionally, fission products and uranium fuel particles may be present on the same materials. Activation products may decay to removable contamination and activated materials may corrode or rust, subsequently contributing radiological contamination as a secondary source to underlying soil and nearby structures. Removable and fixed fission products and uranium fuel particles are considered to be secondary sources of contamination to buildings, surrounding soil, and other nearby materials.

The concrete bunker walls (CASs 25-34-01 and 25-34-02) are potentially contaminated through their use as storage areas for radiologically activated and contaminated materials resulting from nuclear engine/reactor testing. The primary sources of potential contamination of the concrete surface are: (1) direct contact with materials contaminated with activation and fission products and/or uranium fuel particles, and/or (2) through indirect processes, such as erosion, where contaminated particles from RR cars and their materials are carried onto the concrete by wind or water. It is assumed the

concrete is not activated because a neutron source did not exist at the facility. Based on the known uses and type of materials stored, its assumed contamination of the concrete would be limited to the surface only and the highest concentrations of COPCs located on the lower half of the walls (i.e., the height of RR car with stored equipment) and near the roof vent. If contamination is present on bunker walls, runoff of precipitation and/or degradation of concrete may cause migration to surrounding soil included under CAS 25-23-18.

The source of contamination released onto the vent hoods or other posted radiological area within the ETL/TTF laboratory (CAS 25-23-13) are a result of various experiments with radiologically contaminated soils and animal tissues. Currently, no viable transport mechanism exists for the migration of radionuclides remaining on the equipment within the building; however, potential contamination on the roof may migrate due to precipitation. The extent of contamination from the vent hood through other building structures is unknown. Any residual amounts of potentially hazardous chemicals remaining within the hoods such as mercury are not expected in amounts that pose an unacceptable risk to human health; therefore, they will not be investigated.

A.1.3.3 CSM for CAS 26-17-01, Pluto Waste Holding Area

Figure A.1-4 shows a generalized CSM constructed for surface releases with limited potential for subsurface migration. This generalized model applies to the current conditions at CAS 26-17-01. The following text provides information unique to CAS 26-17-01.

The COPCs, if present, are associated with potentially radioactive effluent from the Project Pluto Test Bunker (Building 2203) floor drains and test pad. The release of contaminants and the driving force for their migration into soil was limited because of the relatively short duration of Project Pluto in the early 1960s; however, subsequent use of the basin is not known. Affected media include the VCP pipeline, surface soil in the holding basin, and shallow subsurface soil beneath the basin and possibly beneath the pipeline.

Effluent was removed from the basin by the combined effects of evaporation and infiltration. The holding basin is unlined so vertical migration of COPCs, in the absence of an impermeable layer (e.g., caliche), will predominant over lateral migration. Migration will be limited due to the low mobility of expected COPCs in soils (primarily radionuclides), the lack of precipitation, and high evaporation rates.

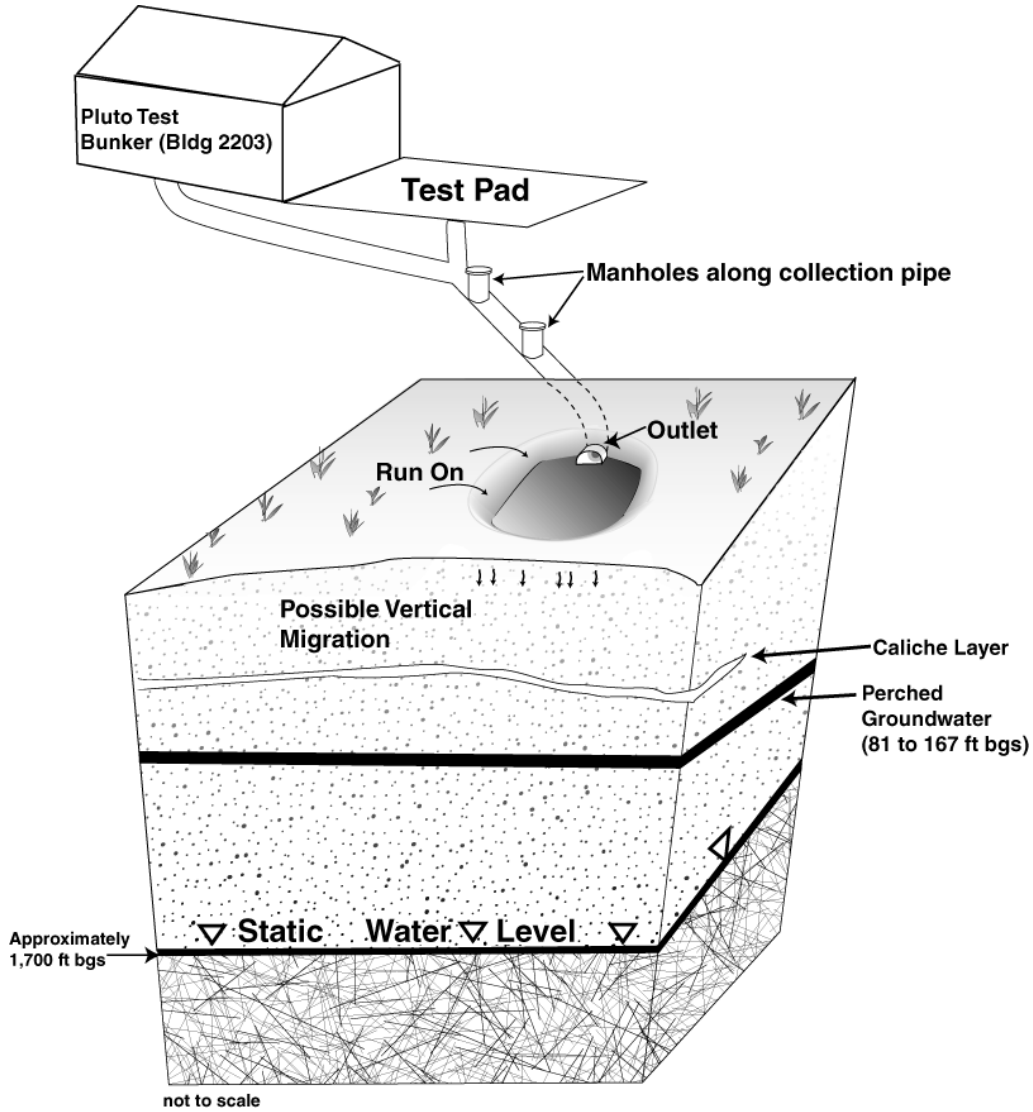

Figure A.1-4
Conceptual Site Model for CAS 26-17-01, the Pluto Waste Holding Area

Contaminants, if present within the basin, will tend to accumulate in higher concentrations at particular locations based on distinguishing physical and chemical characteristics of the contaminants and the liquid transport media. For example, some radionuclides would tend to be found in higher concentrations at the surface and near an influent location because of their low solubility and association with large-sized particles. Other distinguishing characteristics can be used to draw inferences on other locations within the basin. The following areas represent the preferential locations:

- Surface and near-surface at the outfall pipe, where contaminants of low solubility, higher density, and/or associated with large-sized particles would tend to accumulate.
- Near-surface and subsurface at the lowest surface elevation within the basin, where contaminants of high solubility, lower density, and/or associated with smaller-sized particles would tend to accumulate.
- Near the base of the historically lowest elevation, where contaminants of higher density would tend to accumulate.

The VCP effluent pipeline may also be contaminated with COPCs. It is likely that effluents discharged to the system were aqueous, with little or no solids, so it is also likely that the pipe does not contain residual contaminated solid material. It is possible that effluent may have been released to shallow subsurface soil at an unrepaired break or leak in the pipeline.

A.1.3.4 CSM for CAS 25-23-18, Radioactive Material Storage Facility

Figure A.1-3 shows a generalized CSM constructed for current conditions at CAS 25-23-18. Radionuclides are the primary contaminants in surface soils. The radionuclides are associated with releases through direct contact with or by erosion and runoff from contaminated materials and equipment stored historically and/or currently at various locations in the facility. Remaining potential sources of contamination to the soils of this CAS include railroad cars (CAS 25-23-02), equipment stored between Spurs M and N, and equipment stored near the western gate of the RMSF.

Surface geophysical surveys performed in April 2001 at several suspect locations did not locate any anomalies indicative of buried objects or debris. This finding is consistent with the use of the RMSF as a storage facility, not a disposal facility. Thus, potential contamination at the RMSF is confined to surface soil.

Several assumptions are made regarding the location of contamination within the RMSF. One assumption is that any incidental chemical contamination present within the site (e.g., hydraulic fluid from railroad cars) will be colocated with known areas of radiological contamination. This is based on assumption that the RMSF was used for storing radiologically contaminated materials, not hazardous materials. Secondly, because radionuclides typically do not infiltrate into surface soils more than a few inches under the climatic conditions prevalent at the NTS, any radiological contamination within the RMSF will be identified through radiological soil surveys.

Lateral migration of contaminants, whether solubilized or in particulate form, is possible via precipitation, runoff, and erosion. These driving forces will become enhanced if contamination migrates into arroyos crossing through the site boundaries. Physical characteristics of the COPCS, low precipitation, and high evaporation rates limit vertical migration.

A.1.3.5 CSM for CAS 25-99-16, Well USW-G3

This CSM applies only to CAS 25-99-16. Figure A.1-5 shows a generalized CSM constructed for this site. A cesium-137 source from a downhole geophysical logging tool was accidentally emplaced in Well USW-G3 during drilling operations. The source is encased within cement at approximately 1,250 ft bgs within a plugged portion of Well USW-G3. The source is approximately 1,210 ft above the water table, based on a depth to groundwater of 2,460 ft bgs (USGS, 1993).

Cesium-137 is the only COPC at CAS 25-99-16. As of 2001, the activity of cesium-137 remaining is calculated to be 114.9 mCi. Cement and possibly adjacent bedrock are the affected media within the CAS. As discussed below, groundwater would not be affected due to lack of a mechanism to transport cesium-137 to the saturated zone.

A pathway to potential receptors is currently not present since the source is encased in cement and the distances from the ground surface to the source and the source to groundwater are large (i.e., both are approximately 1,200 ft). Given the low precipitation rate of less than 10 inches per year (USGS, 1995b) and location of the source in the vadose zone, aqueous transport of Cs-137 to groundwater is not feasible. The only viable future exposure pathway is to intercept the source by drilling through the plugged portion of the well.

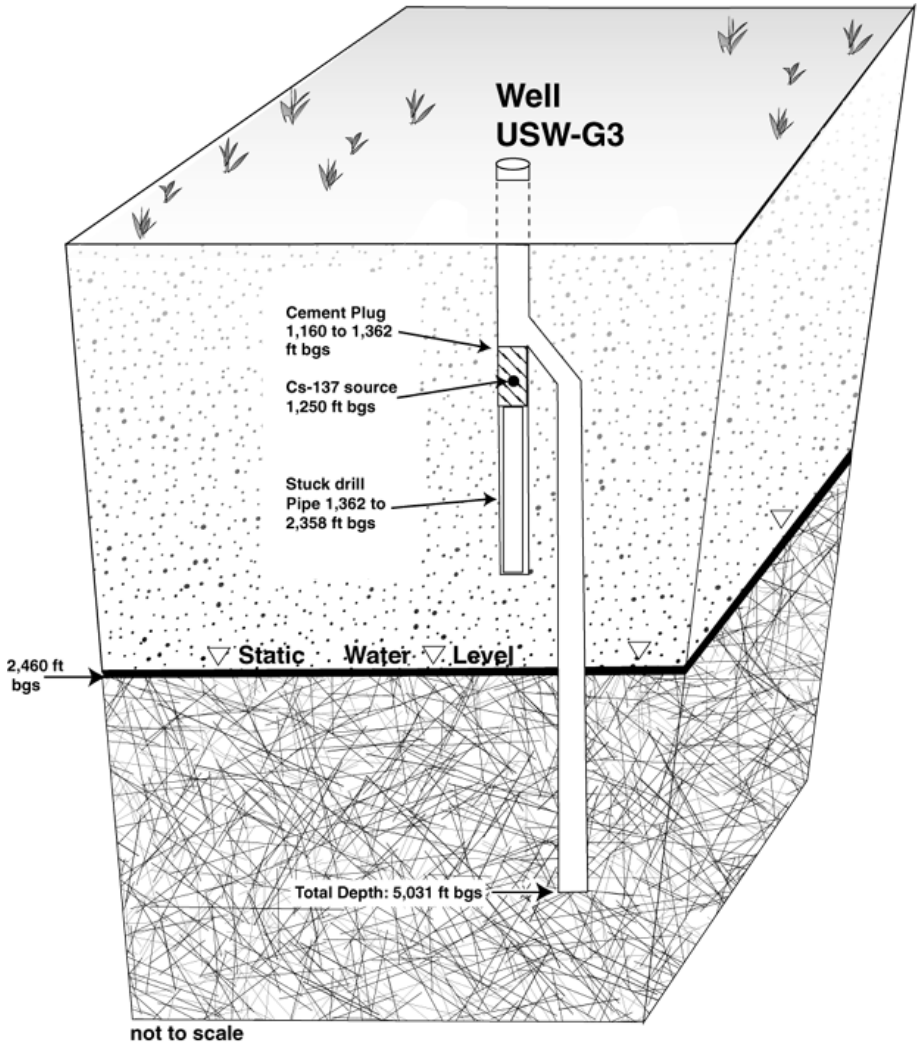

Figure A.1-5
Conceptual Site Model for CAS 25-99-16, Well USW G-3

Well USW-G3 is located in the Yucca Mountain Site Characterization Project zone on U.S. Bureau of Land Management (BLM) land. The BLM granted the DOE a right-of-way reservation for Yucca Mountain site characterization activities. Well USW-G3 is within an area of BLM land withdrawn from subsurface exploration by Public Land Order 6802 (BLM, 1990). This land order, which will expire September 2002, was established to maintain the physical integrity of the subsurface environment for the Yucca Mountain Site Characterization Project.

A.1.4 Data Quality Objective Decision Flow

Figure A.1-6 depicts the decision flow process that will be applied to the investigation of CAU 168. All CASs within CAU 168 start at the beginning of the flow process. The decision diamonds with shadows are key points in the flow path in which a CAS may proceed to the end point of the process (i.e., the investigation is complete). Therefore, resolving these decisions are the focus of the DQO process. Details regarding criteria and metrics that need to be met in order to resolve these decisions are the focus of DQO Steps 3 and 7 of both the Phase I and Phase II DQO processes. Decision points which require that a consensus be reached between NNSA/NV and the NDEP prior to continuing are indicated in the diagram with asterisks. Contingencies are built into the process in the event new information indicates that a CAS should move directly to a Phase II investigation.

Sufficient information about CAS 25-99-16 (USW-G3) has been collected through historical documentation and the CSM regarding the nature and extent of contamination and potential risk to a receptor such that a preferred corrective action alternative can be selected for site closure. Following the decision flow path, the site bypasses Phase I due to the known presence of Cs-137 contamination, continues through with positive responses to the decision points of nature and extent to reach the "completed investigation" end point. Therefore, this CAS will not be addressed in the DQO process and the selection of a corrective action will be addressed in the CADD. The existing site information is documented in Section 2.0 of the CAIP.

All other CASs, except 25-23-02, 25-23-18, and 25-23-13, are expected to follow the flow path to a Phase I data collection. The railroad cars (CAS 25-23-02), surface soils at the RMSF (CAS 25-23-18), and materials at the TTF (CAS 25-23-13) are known to be radiologically contaminated, so these CASs will advance directly to a Phase II investigation.

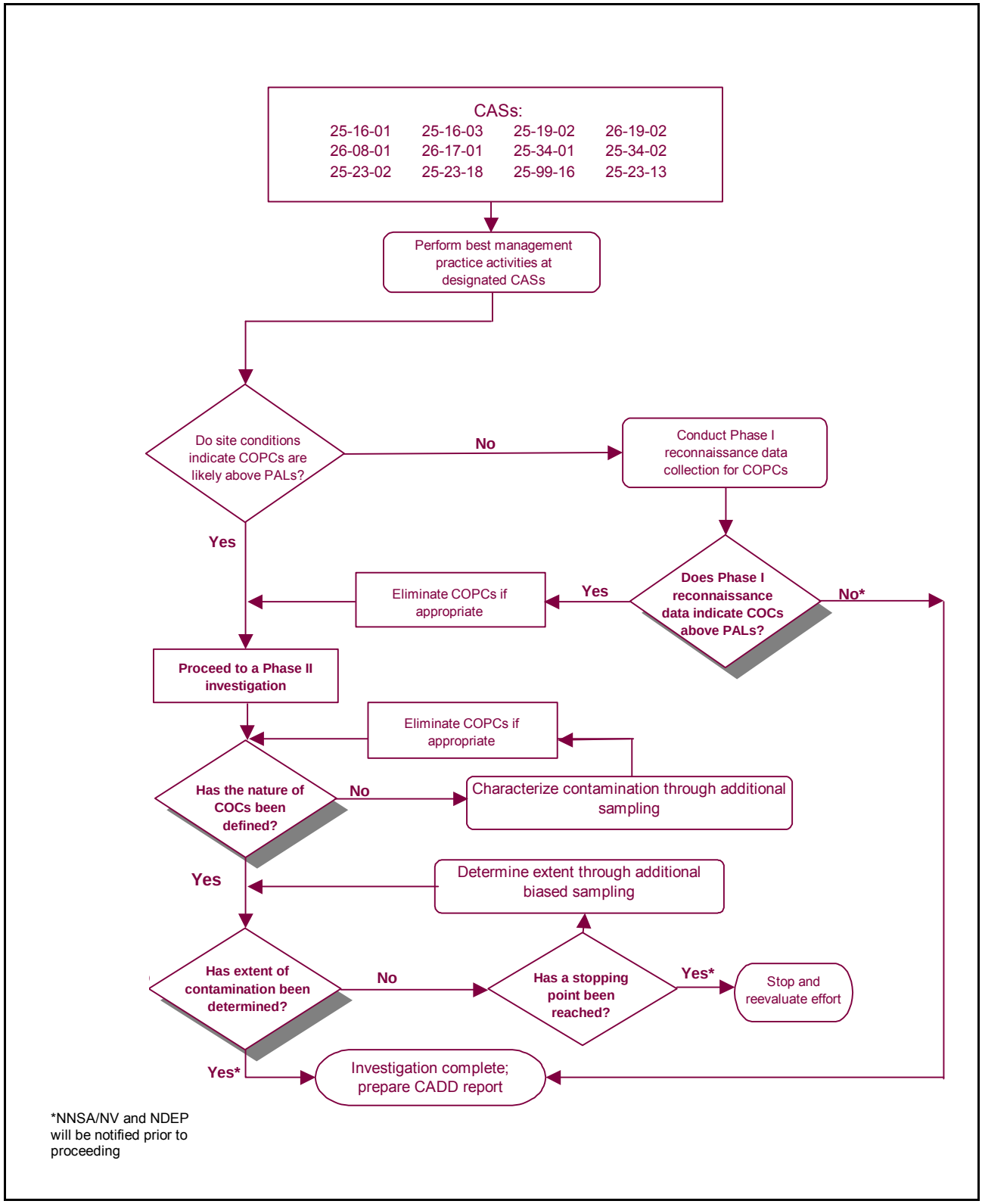

Figure A.1-6
Data Quality Objective Decision Flow

A.2.0 Seven-Step DQO Process for Phase I Investigations

This section discusses the seven-step DQO process for Phase I investigations. The objective of a Phase I investigation is to determine whether or not contaminants of concern are present at potentially unacceptable risks to human health, thereby requiring further investigation.

A.2.1 Step 1, State the Problem

It is unknown if hazardous and/or radioactive contamination is present; thus further investigation is required.

A.2.2 Step 2, Identify the Decisions

The following is the Phase I investigation decision:

- Determine whether COPCs are present above PALs.

Analytical sample data may be collected for a site prior to investigation in order to provide data for waste management and/or health and safety decisions. This data, if generated, will be evaluated to determine if it can be used in any of the decisions.

A.2.2.1 Alternative Actions to the Decisions

The following is the alternative action to the decision:

- If no COPCs exceed PALs, further assessment is not required and results will be documented in the CADD. If any COPCs exceed PALs, a Phase II investigation will be conducted at the CAS to determine exact nature and extent of contamination.

A.2.3 Step 3, Identify Inputs to the Decision

Prior to resolving the Phase I decision, best management practice activities will be performed as identified in and according to the CAIP. All completed best management practice activities and their results will be documented in the CADD.

If existing information and/or field observations following best management practice activities indicate that the site is likely contaminated with COPCs above PALs, then the CAS moves directly to a Phase II characterization. On the other hand, if information is insufficient to indicate the presence

of contamination, then a Phase I assessment will be appropriate to determine the presence or absence of contamination. Based on existing information, three CASs (25-23-02, 25-23-18, and 25-23-13) will advance directly to a Phase II investigation (described in Section A.3.0).

In order to resolve the Phase I decision of determining if contamination is present above PALs, sample data must be collected and analyzed following two criteria: (1) if contamination is present within the CAS, it will be sampled; and (2) the analyses must be sufficient to detect any contamination present within those samples. Table A.2-1 provides the information/data need to meet these two criteria as well as the information metric by which to measure that the appropriate information was collected to meet the criteria. The last column addresses the quality metric required for a particular data collection activity and is determined by the intended use of the resulting data in decision making.

Other identified information needs which are not directly related to the principal study questions are listed below and will be discussed in detail in Section 4.0 of the CAIP:

- Collect GPS coordinates of all sample locations and delineation of boundaries of CAS features (e.g., foundations).
- Perform housekeeping activities on miscellaneous debris at various sites.
- Collect data to make appropriate waste management/disposal decisions.

A.2.3.1 Determine the Basis for the Preliminary Action Levels

Laboratory analytical results will be compared to the following PALs to evaluate if COPCs are present and require further investigation:

- *EPA Region 9 Risk-Based Preliminary Remediation Goals for Industrial Soils* (EPA, 2000).
- TPH concentrations above the TPH limit of 100 ppm per the *Nevada Administrative Code* (NAC) 445A.2272 (NAC, 2000c)
- Background concentrations for RCRA metals will be evaluated when natural background exceeds the PAL (i.e., arsenic). Background is considered the mean plus two times the standard deviation of the mean based on data published in *Mineral and Energy Resource Assessment of the Nellis Air Force Range* (NBMG, 1998).

Table A.2-1
Phase I Identified Information/Data Needs to Resolve Decision

Criteria 1 - If Contamination is present in the CAS, it will be sampled		
Information/Data Needs	**Information Metric**	**Quality Metric[a]**
Determine sample locations that would contain contamination, if present Collect samples from those locations	The CAS-specific metrics are described in DQO Step 7. Locations will be selected based on biasing factors. Minimum number of samples will be submitted for analysis.	Qualitative Semiquantitative Quantitative
Criteria 2 - If contamination is present in samples at concentrations above PALs, it will be detected		
Information/Data Needs	**Information Metric**	**Quality Metric[a]**
Perform analyses that would detect contamination present at concentrations above PALs	All Phase I soil samples will be analyzed for gamma spectroscopy to detect the presence of potential radionuclide at concentrations above PALs. Analyze all soil samples from CASs 25-16-01, 25-16-03, 25-19-02, 26-19-02, 26-08-01, 26-17-01, and 25-23-18 for TPH (oil and diesel), VOCs, SVOCs, RCRA metals, and PCBs. Analyze all soil samples from CASs 26-19-02, 26-17-01, and 26-08-01 for beryllium. Collect radiological scanning survey data and swipe counting data for free-release determination at CASs 25-34-01 and 25-34-02	Quantitative Semiquantitative
Other Phase I Information Needs		
Information/Data Needs	**Information Metric**	**Quality Metric[a]**
Determine extent of waste for landfill CASs that do not have Phase II investigation.	A geophysical survey will be conducted at qualifying CASs to identify anomalies that would indicate the extent of disposal cells. Pothole will be excavated at two locations per cell to verify geophysical data.	Semiquantitative

[a]**Quantitative** data measure the quantity or amount of a characteristic or component within the population of interest. These data require the highest level of QA/QC in collection and measurement systems because the intended use of the data is to resolve primary decisions (i.e., rejecting or accepting the null hypothesis) and/or verifying closure standards have been met.

Semiquantitative data indirectly measure the quantity or amount of a characteristic or component. Inferences are drawn about the quantity or amount of a characteristic or component of interest because a correlation has been shown to exist between the indirect measurement and the results from a quantitative measurement. The QA/QC requirements on semiquantitative collection and measurement systems are high but may not be as rigorous as a quantitative measurement system. Semiquantitative data contribute to decision making but are not used alone to resolve primary decisions. The data are often used to guide investigations toward quantitative data collection.

Qualitative data identify or describe the characteristics, components, or features of the population of interest. The QA/QC requirements are the least rigorous on data collection methods and measurement systems. Professional judgement is often used to generate qualitative data. The intended use of the data is for information purposes, to refine conceptual models, and guide investigations rather than resolve primary decisions. This measurement of quality is typically assigned to historical information and data where QA/QC may be highly variable or not known.

- For COPCs without established PRGs, a protocol similar to EPA Region 9 will be used in establishing an action level; otherwise, an established PRG from another region will be chosen.

- For radiologically contaminated materials and structures, the total residual surface contamination for unrestricted release of materials and equipment to the general public allowed by DOE Order 5400.5 (DOE, 1993) and as defined in the *NV/YMP Radiological Control Manual* (DOE/NV, 2000).

- The PALs for radiological results are isotope-specific for the radionuclides identified and are defined as the maximum concentration for that isotope found in environmental samples taken from undisturbed background location in the vicinity of the NTS, as presented in McArthur and Miller (1989), Atlan-Tech (1992), and BN (1996).

A.2.3.2 Potential Sampling Techniques and Appropriate Analytical Methods

Samples will be collected at biased sampling locations by hand augering, backhoe excavation, direct-push, or drilling techniques as appropriate. Sample collection and handling activities will follow standard procedures. Section 3.0 and Section 6.0 of the CAIP provides the analytical methods and laboratory requirements (i.e., detection limits, precision, and accuracy requirements) to be used when analyzing the COPCs as listed in Table A.2-1. Unless otherwise required by the results of this DQO and stated in the CAIP, this investigation will adhere to the Industrial Sites QAPP (DOE/NV, 1996).

A.2.4 Step 4, Define the Boundaries of the Study

The purpose of this step is to define the target population of interest and specify the spatial and temporal features of the population that are pertinent for decision making.

A.2.4.1 Define the Target Population

The target population for each CAS is defined in Table A.2-2.

A.2.4.2 Determine the Spatial and Temporal Boundaries

The spatial boundaries that apply to each CAS are defined in Table A.2-3 and encompass the area under investigation for that CAS. Each CAS is considered geographically independent. Although CASs 25-34-01, 25-34-02, and 25-23-02 are located within the boundaries of CAS 25-23-18, their boundaries are distinct and will be considered separate for investigation purposes.

Table A.2-2
Target Populations for CASs

CAS	Target Population
25-16-01	COPC concentrations within surface[a] and subsurface soils
25-16-03	COPC concentrations within surface and subsurface soils
25-19-02	COPC concentrations within surface and subsurface soils
26-19-02	COPC concentrations within surface and subsurface soils
26-08-01	COPC concentrations within surface and subsurface soils
26-17-01	COPC concentrations within surface and subsurface soils
25-23-18	COPC concentrations within surface and subsurface soils
25-34-01	Radionuclide concentrations on surface of concrete walls
25-34-02	Radionuclide concentrations on surface of concrete walls
25-23-02	Radionuclide concentrations of railroad car materials and equipment stored on cars; COPC concentrations in fluids within cars (primarily a concern for the locomotives)
25-23-13	Radionuclide concentrations on surface of materials and associated building structures

[a]Defined as 0- to 6-inch vertical soil interval.

Temporal boundaries are those time constraints set up by weather conditions and project schedules in the baseline. Temporal constraint due to weather conditions are not expected in Areas 25 and 26. However, rainfall and snow events will place constraints on sampling and surveying of radiologically contaminated soils because of the attenuating effect of moisture on alpha/beta-emitting radionuclides. There are no time constraints on collecting samples as environmental conditions at all sites will not significantly change in the near future, and conditions would have stabilized over the last 10 to 40 years since last used. Current schedules for submitting the CAIP are September 28, 2001, for the Draft CAIP and November 30, 2001, for the Final CAIP. Field work is currently scheduled to begin in FY 2002.

A.2.4.3 Identify Practical Constraints

The NTS-controlled activities may affect ability to characterize these sites. Table A.2-4 indicates other practical constraints that may be encountered at each CAS.

Table A.2-3
Phase I Spatial Boundaries Identified for CASs Within CAU 168

CAS	Spatial Boundary
25-16-01	Area of visible debris adjacent to soil mound, including soil mound; will include any geophysical anomalies identified by surveys
25-16-03	Boundary of landfill marked by monuments
25-19-02	Geographic area that encompasses each of the five geophysical anomalies
26-19-02	Physical boundaries of concrete barrier walls and base
26-08-01	The extent of visible debris on north side of arroyo and 200 ft to the north away from the wash
26-17-01	Physical boundaries of basin surrounding the outfall area; includes the length of underground piping from outfall to building foundation
25-23-18	The outer perimeter fence
25-34-01	Concrete walls from wall base to roof, including vent
25-34-02	Concrete walls from wall base to roof, including vent
25-23-02	Railroad cars including equipment and materials storied on them
25-23-13	Vent hood and its system components within the laboratory to the roof area and adjacent building structures (e.g., wall behind hood)

A.2.4.4 Define the Scale of Decision Making

The scale of decision making is defined as each individual CAS so that individual CASs may be advanced to a Phase II characterization, if necessary, rather than submitting the entire CAU. The scale also allows for corrective actions appropriate to each CAS rather than the entire CAU.

A.2.5 Step 5, Develop a Decision Rule

This step integrates outputs from the previous step with the inputs developed in this step into a decision rule (*"If..., then..."*) statement. This rule describes the conditions under which possible alternative actions would be chosen.

A.2.5.1 Specify the Population Parameter

Because the sampling design is biased towards likely locations of contamination, the population parameter will be the maximum observed concentration of each COC within each CAS.

Table A.2-4
Practical Constraints Identified for CAU 168

CAS	Utilities Likely to be Encountered[a]	Topography/Site Conditions Likely to Effect Planned Activities	Structures (e.g., materials, building) Likely to Effect Planned Activities	Area Subject to Access Restrictions[b]
25-16-01	No	No	No	No
25-16-03	No	No	No	Yes
25-19-02	No	No	No	No
26-19-02	No	Yes	Yes	Yes
26-08-01	No	No	Yes	Yes
26-17-01	Yes	No	Yes	Yes
25-23-18	Yes	Yes	Yes	Yes
25-34-01	Yes	No	Yes	Yes
25-34-02	Yes	No	Yes	Yes
25-23-02	No	No	No	Yes
25-23-13	Yes	No	Yes	Yes

[a]Utility constraints are subject to change as detailed information is collected prior to commencement of investigation activities and will be appropriately documented.
[b]Access restrictions include both scheduling conflicts on the NTS with other entities and areas posted as contamination areas requiring appropriate work controls.

A.2.5.2 Choose an Action Level

Action levels were defined in Step 3 (Section A.2.3).

A.2.5.3 Measurement and Analysis Methods

This step was previously addressed in Step 3 (Section A.2.3.2). The measurement and analysis methods given in Section 6.0 of the CAIP are capable of performing over the expected range of values, and the detection limit of the measurement method to be used is less than the action limit for each COPC.

A.2.5.4 Decision Rule

If laboratory data indicate the maximum observed concentrations of COPCs are below PALs within a CAS, then further investigation at that CAS is not required. If laboratory data indicate concentrations of a COC exceed PALs, then proceed to Phase II investigation.

A.2.6 Step 6, Specify the Tolerable Limits on Decision Errors

The sampling approach for the Phase I investigations relies upon biased samples; therefore, statistical analysis is not appropriate.

The baseline condition (i.e., null hypothesis) and alternative condition for the Phase I investigation are:

- Baseline condition - COPCs are present above PALs
- Alternative condition - COPCs are not present above PALs

A.2.6.1 False Rejection Decision Error

The false rejection or alpha error would mean accepting that COPCs are not present above PALs when they really are, increasing risk to human health and environment.

The false rejection decision error is controlled by meeting the following two criteria: (1) having a high confidence that the sample locations selected will identify COCs above PALs if present within the CAS; and (2) having a high degree of confidence that analyses conducted will be sufficient to detect any COCs present in the samples. To satisfy that the first criteria is met, locations for Phase I samples will be chosen using biasing factors as described in Step 7 (sample design). To meet the second criterion, all samples will be analyzed for the appropriate COPCs as defined in Table A.2-1 using the analytical methods provided in Section 6.0. Following established quality assurance procedures during sample collection, handling, and analysis, as well as during the evaluation of results protects against false negatives.

A.2.6.2 False Acceptance Decision Error

The false acceptance error or beta error would mean accepting that COCs are above PALs when they are not, resulting in increased costs for unneeded characterization.

The false acceptance decision error is controlled by protecting against false-positive analytical results. False-positive results are typically attributed to laboratory errors and sampling/handling errors. Quality assurance/quality control samples such as field blanks, trip blanks, laboratory control samples, and method blanks should minimize the risk of a false-positive analytical result. Other factors are following established procedures for decontamination of sampling equipment to avoid cross contamination, and using clean sample containers.

A.2.6.3 Quality Assurance/Quality Control

Quality control samples will be collected as required by established procedures. The required QC samples include:

- Trip blanks (1 per sample cooler containing VOC environmental samples)
- Equipment blanks (1 per sampling event for each type of decontamination procedure)
- Source blanks (1 per batch of equipment or supplies [e.g., direct-push liners or decontamination water])
- Field duplicates (minimum of 1 per 20 environmental samples or 1 per CAS if less than 20 collected)
- Field blanks (minimum of 1 per 20 environmental samples or 1 per sampling location)
- Matrix spike/matrix spike duplicate (minimum of 1 per 20 environmental samples or 1 per CAS if less than 20 collected)

Additional QC samples may be submitted based on site conditions.

Quality data indicators of precision, accuracy, comparability, completeness, and representativeness are defined in the Industrial Sites QAPP (DOE/NV, 1996). Sensitivity has been included as a DQI for laboratory analysis. Site-specific data quality indicators are discussed in more detail in Section 6.0 of the CAIP.

A.2.7 Step 7, Optimize the Design for Obtaining Data

The objective of the Phase I investigation strategy is to determine whether COPC concentrations are present above PALs. Laboratory analytical results from this phase will be used to confirm the presence or absence of COPCs and if the concentrations exceed PALs. If field data generated during the course of the Phase I investigation strongly indicate that COPCs are above PALs, the investigation may proceed directly to a Phase II characterization without support of analytical results (i.e., heavy concentrations of hydrocarbon staining and odor). The COPCs determined not to be present in Phase I may be eliminated from further consideration during a Phase II characterization effort.

A biased sampling strategy will be conducted at CAU 168 during Phase I to target areas with the highest potential for contamination, if it were present anywhere within the CAS. The justification behind the selection of biased sample locations will be based on a variety of biasing factors to meet the criteria that if contamination were present anywhere within the CAS, it will be sampled. A general list of the biasing factors to be considered during the selection of the location are indicated below. As the sampling strategy for each CAS is provided, the primary biasing factors used in justifying a sample location will be described:

- Visual indicators such as staining, discoloration, and/or textural discontinuities
- Location of debris/waste
- Odor
- Elevated screening results
- Geophysical survey data
- Radiological survey data
- Physical and chemical characteristics of contaminants
- Known source and location of release
- Geologic and/or hydrologic conditions
- Process knowledge and experience at similar sites

In the absence of other biasing factors, default sampling locations are described for each CAS.

A.2.7.1 CAS 25-16-01, E-MAD Construction Waste Pile

Site preparation activities will include surface geophysical and radiological surveys, and general housekeeping to pick up and dispose of objects and debris (e.g., pieces of metal and wood) present on the ground surface. The geophysical survey will consist of electrical imaging methods and possibly ground-penetrating radar to aid in confirming and/or determining the location and configuration of the buried waste pile. Although radionuclides are not expected COPCs, a radiological survey will be performed on surface soils in the area where construction waste is assumed to be buried to identify any potential areas of radiological contamination. The soil mound present at the site will also be included in the surveys. The geophysical survey will not serve as a biasing factor, but instead allows confirmation of the configuration of the waste pile.

Assuming that the waste pile is a linear feature, a minimum of three excavations will be made perpendicular to the long axis of the feature to access and collect biased soil samples. Each excavation will be continued to the depth of the waste/native soil interface and will have a minimum of one sample collected based on the primary biasing factors of staining, odor, screening, and/or

textural discontinuities. Additional biasing factors may be identified during the course of the investigation. A minimum of one sample per identified biasing factor will be collected and submitted for analysis. If no biasing factor is identified, the first 12 in. of soil below the waste/native soil interface will be submitted for analysis.

If the geophysical surveys locate discontinuous anomalies, then geophysics becomes a primary biasing factor in determining locations of excavations to identify and/or confirm buried waste and access potential sample locations. The same biasing factors as described above will apply in determining sample locations within these excavations.

An additional excavation will target the soil mound. If the mound contains waste or debris, a biased soil sample will be collected. To support decisions regarding closure alternatives, the boundaries of the buried construction waste pile will be determined by excavation. For the small surface waste pile located north of the soil mound, a minimum of one surface soil sample will be collected from beneath surface debris using the primary biasing factors of staining, odor, screening, and/or process knowledge.

A.2.7.2 CAS 25-16-03, MX Construction Landfill

Two linear trending subsurface features were identified in previous geophysical surveys at the MX construction landfill and will be investigated as the buried construction waste. Site preparation activities will include general housekeeping to pick up and dispose of objects present on the ground surface.

A minimum of three excavations will be made perpendicular to the long axis of both linear trending features, for a total of six excavations, to determine the types of debris present and access potential sampling points. Each excavation will be continued to the depth of the waste/native soil interface and will have a minimum of one sample collected based on the primary biasing factors of staining, odor, screening, and/or textural discontinuities. Additional biasing factors may be identified during the course of the investigation. A minimum of one sample per identified biasing factor will be collected and submitted for analysis. If no biasing factor is identified, the first 12 in. of soil below the waste/native soil interface will be submitted for analysis.

A.2.7.3 CAS 25-19-02, R-MAD Waste Disposal Site

Site preparation activities will include general housekeeping to pick up and dispose of objects and debris currently present on the ground surface.

Because process knowledge suggests that equipment was stored at this site, rather than disposed in the subsurface, geophysical anomalies will be used as a primary biasing factor in determining where to excavate. A minimum of one excavation will be made at each anomaly to determine whether or not material is present. The excavation will not continue past 5 ft bgs if material is not identified. This is a reasonable depth based on geophysical results and the assumption that material would be close to the surface since the area was not originally designated as a burial waste dump. If buried material is found, the excavation will continue until the waste/native soil interface is identified. A minimum of one sample per excavation will be collected and submitted for analysis based on the primary biasing factors of visual indicators, odor, and screening. If these biasing factors are not evident, then a soil sample will be collected from the first 12 in. of soil below the waste/native soil interface.

If the geophysical anomalies are attributed to natural materials (e.g., boulders or caliche layer) and no evidence of contamination is found within an excavation, a minimum of three surface soil samples (0-6 in.) will be collected based on the highest radiological survey results within the defined spatial boundaries or areas of surface debris.

A.2.7.4 CAS 26-19-02, Pluto Contaminated Waste Dump #2

This CAS is well-bounded spatially by the presence of concrete walls that form an enclosed pit. Geophysical surveys show the presence of a buried linear feature along the southeastern edge of the dump; it is thought that this feature is a buried sloping concrete wall identified from historic photographs. Other than the anomaly thought to represent the sloping wall, anomalies are not observed in the geophysical data. To determine the feasibility of using a backhoe excavation technique for accessing sampling locations within potentially radiologically contaminated soil and materials, a direct-push may be performed within the soil at one or more locations.

A minimum of three excavations extending to the base of the concrete pit will be performed to determine the types of debris present and access potential sampling points. Each excavation will have

a minimum of one sample collected based on the primary biasing factor of radiological field screening. Additional biasing factors may be identified during the course of the investigation. A minimum of one sample per identified biasing factor will be collected and submitted for analysis. If no biasing factor is identified, soil samples will be collected at the base of the concrete pit and submitted for analysis.

A.2.7.5 CAS 26-08-01, Pluto Building 2204 Waste Pile/Burn Pit

This site is divided into four distinct populations: soil piles, miscellaneous debris, construction debris, and the burn pit soil. The minimum number of soil samples to be collected and the primary biasing factors in selecting sample locations for each population are identified in Table A.2-5. Each sample collected will be submitted for analysis. Additional biasing factors may be identified during the course of the investigation. A minimum of one sample per identified biasing factor will be collected and submitted for analysis. It is assumed that if any samples within a population have COPC concentrations above PALs, the population as a whole is contaminated and will proceed to Phase II. Additional Phase I activities will consist of adequately defining the footprint of each population present at the site to approximate potential waste volumes and aid in developing the Phase II strategy.

Table A.2-5
Phase I Criteria for Waste Pile/Burn Pit Sampling

Population	Burn Pit	Soil Piles	Metal debris	Construction debris
No. of samples	Minimum of 1 per area or minimum of 1 per biasing factor	Minimum of 3 or minimum of 1 per biasing factor, whichever is greater	Minimum of 3 or minimum of 1 per biasing factor, whichever is greater	Minimum of 3 or minimum of 1 per biasing factor, whichever is greater
Biasing factors	Location of fused rock Photo with pit location	Visual indicators Source and release of COPCs	Visual indicators	Visual indicators

A.2.7.6 CASs 25-34-01 and 25-34-02, NRDS Contaminated Bunkers

The target population for Phase I activities for the bunkers is the concrete surface from the ceiling to the base of the wall where it intersects the soil. This includes the exterior walls outside the entrance to each bunker and the inside roof area with vents. A radiological scanning survey will be performed

over 100 percent of the concrete surface from these areas. A minimum of five swipes will be taken and counted to assess the potential for removable contamination. The primary biasing factor in selecting locations for swipes will be the results of the radiological scanning survey.

A.2.7.7 CAS 26-17-01, Pluto Waste Holding Area

There are two primary biasing factors identified for the waste holding area: physical characteristics of the contaminants and radiological survey results.

Based on the physical characteristics (i.e., high or low solubility, high or low density, and large or small particle size) of the contaminants, if concentrations above PALs are present they will be located at three preferential locations. These locations include the surface and near-subsurface at the outfall pipe, where contaminants with characteristics of large particle size, low solubility, and high density would tend to accumulate; the near-surface and subsurface at the lowest surface elevation, where contaminants of high solubility and low density would tend to accumulate; and the near the base of the historically lowest elevation, where contaminants of higher density would tend to accumulate.

Radiological survey results indicate there are additional areas in the basin above background radiological levels. A minimum of one sample location will be collected based on the highest radiological survey result.

Based on the two primary biasing factors described above, a minimum of four sampling locations have been identified. Each sample location will consist of two discrete sample depth intervals. One sample will be collected at the surface (0 to 6 inches) within the basin. The second sample interval will be selected at the discretion of the Site Supervisor from additional biasing factors such as staining, odor, screening results, or textural discontinuity, identified during the course of investigation. A minimum of one sample per identified biasing factor will be collected and submitted for analysis.

In addition to the basin, there is a radioactive effluent pipeline associated with this system. Manholes and cleanouts will serve as access points to the pipeline. These access points will be opened, and a visual inspection of the pipeline will be conducted. If sediment is present, it will be collected and analyzed. If sediment is not present within the manhole, a limited radiological survey of accessible portions of the pipeline will be performed and swipes may be collected and analyzed to support

decisions to meet the free-release criteria. These data may be obtained "remotely" using extended probe cables and attaching swipes to long-handled tools.

A.3.0 Seven-Step DQO Process for Phase II Investigations

This section discusses the seven-step DQO process for CASs where contamination above PALs is known to exist. The sites must be characterized (i.e., Phase II) to provide data to support the selection of a corrective action alternative.

A.3.1 Step 1, State the Problem

The exact nature and/or extent of contamination at these sites is unknown. Contamination at these sites may present a risk to human health and the environment and additional data are required to select a preferred corrective action alternative.

A.3.2 Step 2, Identify the Decisions

The following decisions to be resolved are arranged sequentially:

1. Determine the nature of contamination
2. Determine the extent of contamination equal to or above PALs

A.3.2.1 Alternative Actions to the Decisions

The following alternative actions are arranged sequentially:

1. If the nature of contamination has not been defined for the target population, then continue to collect additional samples. If the nature has been defined, then continue to next decision of determining the extent of contamination.
2. If the extent (vertical and lateral) of contamination above PALs has been bounded, no further characterization is necessary. If the extent of contamination above PALs has not been bounded, continue to collect required data (e.g., step-out sampling).

A.3.3 Step 3, Identify the Inputs to the Decisions

Previous sampling and/or survey efforts have provided some data to indicate the presence of contamination; however, information is either too limited, too inconclusive, or nonrepresentative of current conditions to accurately determine the nature and/or extent of contamination.

Information/data needs related to resolving the two decisions of defining nature and extent of contamination are provided in Table A.3-1. Information metrics provided in the second column are ways against which to measure the appropriate information/data need was collected to make decisions. The last column addresses the quality metric required for a particular data collection activity and is determined by the intended use of the resulting data in decision making.

Other identified information needs which are not directly related to the principal study questions are listed below and will be discussed in detail in Section 4.0 of the CAIP:

- Collection of GPS coordinates of all sample locations and delineation of boundaries of CAS features (e.g., foundations)
- Collection of data to make appropriate waste disposal decisions

A.3.3.1 Determine the Basis for Preliminary Action Levels

Laboratory analytical results will be compared to the PALs, as indicated in Section A.2.3.1, to evaluate if COCs are present at levels that may pose an unacceptable risk to human health and/or the environment and require a corrective action.

A.3.3.2 Potential Sampling Techniques and Appropriate Analytical Methods

Samples will be collected at biased sampling locations by hand augering, backhoe excavation, direct-push, drilling, or other technique as appropriate. Sample collection and handling activities will follow standard procedures. Section 6.0 of the CAIP provides the analytical methods and laboratory requirements (i.e., detection limits, precision, and accuracy requirements) to be used when analyzing for the COCs. Unless otherwise required by the results of this DQO and stated in the CAIP, this investigation will adhere to the Industrial Sites QAPP (DOE/NV, 1996).

A.3.4 Step 4, Define the Boundaries of the Study

The following sections define the target populations, spatial boundaries, and temporal boundaries for CASs within CAU 168.

A.3.4.1 Define the Target Population

The target population for each CAS in Phase II are not expected to differ from those described for Phase I in Section A.2.4.1.

Table A.3-1
Phase II Identified Information/Data Needs to Resolve Decision

Decision 1 - Determine Nature of Contamination		
Information/Data Needs	**Information Metric**	**Quality Metric**[a]
Determine nature of contamination	Nature is defined by the observed concentrations of contaminants detected in all Phase I and Phase II samples collected within the areas of contamination.	Quantitative
Decision 2 - Determine Extent of Contamination		
Information/Data Needs	**Information Metric**	**Quality Metric**[a]
Determine the extent of contamination	Samples will be collected from selected step-out locations as described in Step 7. The sample must be submitted to a laboratory for analysis of COCs that have not been bounded by previous sample locations. Minimum of one sample, both vertically and laterally, with all COC concentrations below PALs is needed to define extent.	Qualitative Quantitative
Other information needs for corrective action decisions		
Information/Data Needs	**Information Metric**	**Quality Metric**[a]
Determine potential waste volumes	A geophysical survey will be conducted at each qualifying CAS to identify anomalies that would indicate extent of disposal cells. Extent sampling will be completed to determine volume of material containing contamination at concentrations exceeding any PAL.	Semiquantitative Quantitative
Determine potential waste types	Potential waste types will be determined using average contaminant concentrations from all samples collected within the extent of the potential waste volume.	Quantitative

[a]**Quantitative** data measure the quantity or amount of a characteristic or component within the population of interest. These data require the highest level of QA/QC in collection and measurement systems because the intended use of the data is to resolve primary decisions (i.e., rejecting or accepting the null hypothesis) and/or verifying closure standards have been met.

Semiquantitative data indirectly measure the quantity or amount of a characteristic or component. Inferences are drawn about the quantity or amount of a characteristic or component of interest because a correlation has been shown to exist between the indirect measurement and the results from a quantitative measurement. The QA/QC requirements on semiquantitative collection and measurement systems are high but may not be as rigorous as a quantitative measurement system. Semiquantitative data contribute to decision-making but are not used alone to resolve primary decisions. The data are often used to guide investigations toward quantitative data collection.

Qualitative data identify or describe the characteristics, components, or features of the population of interest. The QA/QC requirements are the least rigorous on data collection methods and measurement systems. Professional judgement is often used to generate qualitative data. The intended use of the data is for information purposes, to refine conceptual models, and guide investigations rather than resolve primary decisions. This measurement of quality is typically assigned to historical information and data where QA/QC may be highly variable or not known.

A.3.4.2 Determine the Spatial and Temporal Boundaries

The spatial boundaries that apply to each CAS for a Phase II investigation are defined in Table A.3-2. The boundaries encompass the area under investigation for that CAS and have been expanded to represent stop or hold points during an investigation in which the scope of the characterization effort may require reevaluation. Each CAS is considered geographically independent. Although CASs 25-34-01, 25-34-02, and 25-23-02 are located within the boundaries of CAS 25-23-18, their boundaries are distinct and will be considered separate for investigation purposes.

Table A.3-2
Phase II Spatial Boundaries Identified for CASs Within CAU 168

CAS	Spatial Boundary
25-16-01	Extend 100 ft laterally in all directions from edges of buried debris. Vertical boundary is 30-ft below base of buried debris.
25-16-03	Laterally, 100 ft beyond boundary of landfill marked by monuments. Vertically, 30 ft below base of buried debris.
25-19-02	Laterally, bounded by R-MAD fence line on west side, then bounded on other sides by area surveyed by geophysics; 30 ft vertically.
26-19-02	Extends 50 ft laterally beyond the concrete barrier walls and 30 ft vertically past concrete base.
26-08-01	Extends 200 ft downstream beyond the visible debris on north side of arroyo and 200 ft to the north away from the wash.
26-17-01	Extends 30 ft laterally beyond the edge of the basin and vertically 30 ft from lagoon base. Includes 5 ft laterally along the length of underground piping and 20 ft vertically below the piping from outfall to building/test pad foundation.
25-23-18	Extends 50 ft beyond the outer perimeter fence, vertical boundaries are 20 ft bgs.
25-34-01	Concrete walls from wall base to roof, including vent.
25-34-02	Concrete walls from wall base to roof, including vent.
25-23-02	Railroad cars including equipment and materials stored on them
25-23-13	Vent hood and its system components within the laboratory to the roof area and adjacent building structures (e.g., wall behind hood).

Temporal constraints due to weather conditions are not expected in Areas 25 and 26. However, rain and snowfall events will place constraints on sampling and surveying activities at radiologically contaminated soil sites because of the attenuating effect of moisture on alpha/beta-emitting radionuclides. There are no time constraints on collecting samples as environmental conditions at all

sites will not significantly change in the near future, and conditions would have stabilized over the last 10 to 40 years since last used. Current schedules for submitting the CAIP are September 28, 2001, for the draft CAIP and November 30, 2001, for the final CAIP. Field work is currently scheduled to begin in FY 2002.

A.3.4.3 Identify Practical Constraints

NTS-controlled activities may affect ability to characterize these sites. The other practical constraints that apply to each CAS have been previously defined in Table A.2-4.

A.3.4.4 Define the Scale of Decision Making

The scale of decision making is defined for Phase II based on the extent of contiguous contamination within any CAS so that appropriate corrective actions can be conducted. Specifically at a waste dump/landfill CAS, where a contiguous area of disposed waste or debris is present, the scale of decision making is defined as the whole area of waste/debris.

A.3.5 Step 5, Develop a Decision Rule

This step integrates outputs from previous steps with the inputs developed in this step into a decision rule ("*If....., then....*") statement. This rule describes the conditions under which possible alternative actions would be chosen.

A.3.5.1 Specify the Population Parameter

The population parameter will be the observed concentration of COCs in each sample.

A.3.5.2 Choose an Action Level

Action levels were previously defined in Step 3 of Phase I (Section A.2.3.1).

A.3.5.3 Measurement and Analysis Methods

The measurement and analysis methods used in Phase I will be applied in Phase II and were previously addressed in Step 3 of Phase I (Section A.2.3.2).

A.3.5.4 Decision Rule

If existing and/or Phase I laboratory data are insufficient to define the nature of contamination for the target population, then collect additional characterization samples. If sufficient data are available to define the nature of contamination, then determine if extent of contamination has been bounded.

If laboratory data determine COC concentrations are below the PALs, then contamination has been bounded and additional step-out sampling is not required. If COC concentrations of samples exceed PALs, then the contamination has not been bounded and additional step-out sampling is required.

A.3.6 Step 6, Specify Tolerable Limits on Decision Errors

Based on the understanding of current conditions documented in the CSM, the sampling approach for Phase II investigation relies upon biased samples; therefore, statistical analysis is not appropriate. The baseline condition and alternative condition are:

- Baseline condition - The extent of COC concentrations above PALs has not been bounded by step-out sampling.
- Alternative condition - The extent of COC concentrations above PALs has been bounded by step-out sampling.

A.3.6.1 False Rejection Decision Error

The false rejection or alpha error would mean deciding that step-out sampling has bounded the extent of contamination above PALs when it has not. This decision error would result in an increased risk to human health by not determining the full extent of contamination, thereby implementing an inappropriate corrective action at the site that would not adequately protect against exposure to future receptors.

Data collection activities will be designed to minimize the chances of making a false rejection (alpha) decision error. The characterization of CAU 168 sites is based on biased sampling and will be conducted under two basic assumptions regarding the area of contamination. The first is that areas of contamination are contiguous, and secondly that the extent of COC concentrations decrease away from the area of contiguous contamination. The criteria for bounding the extent of contamination greater than PALs requires that one “clean” laboratory analytical sample is collected.

Following established QA/QC practices and standard procedures for data collection help minimize false-negative analytical results.

A.3.6.2 False Acceptance Decision Error

The false acceptance or beta error would mean deciding that the extent of contamination above PALs has not been bounded when it really has. The consequence of this decision error would result in an unnecessary increase in the utilization of resources in implementing additional sample collection and/or an inappropriate corrective action.

The false acceptance decision error is controlled by protecting against false-positive results. False-positive results are typically attributed to laboratory errors and sampling/handling errors. Quality assurance/quality control samples such as field blanks, trip blanks, laboratory control samples, and method blanks should minimize the risk of a false-positive analytical result. Other factors are following established procedures for decontamination of sampling equipment to avoid cross contamination, and using clean sample containers.

A.3.6.3 Quality Assurance/Quality Control

A discussion of QA/QC is provided in Section A.2.6.3.

A.3.7 Step 7, Optimize the Design for Obtaining Data

The Phase II efforts will consist of further characterizing sites where COCs have been confirmed to be present above PALs during Phase I activities. Data obtained from this phase will be used to determine the nature of contamination, and where the COC concentrations have decreased below PALs, thus defining the extent of contamination. Only the COCs determined to be present will be analyzed for during the Phase II characterization effort.

For all CASs in Phase II, with the exception of 25-23-02, 25-23-13, 25-34-01, and 25-34-02, lateral and vertical extent of contamination will be bounded by a minimum of one soil sample showing all COC concentrations below PALs. Only laboratory analytical results can be used for making the decision that extent of contamination has been defined. This is implicit in the Phase II characterization; therefore, it will not be repeated in the sections that follow.

For CASs 25-23-02, 25-23-13, 25-34-01, and 25-34-02, the criteria stated above for extent of contamination is not applicable, as conducting vertical and/or lateral step-outs may be inappropriate based on the finite boundaries and nature of the material being characterized. The criteria for completing the characterization phase of each of these CASs are described in the relevant sections below.

The spatial boundaries that apply to each CAS for a Phase II investigation are defined in Table A.3-2. If nature and/or extent of contamination is inconsistent with the CSM or extends beyond the spatial boundaries identified in Table A.3-2, then work will be suspended, NDEP will be notified, and the investigation strategy will be reevaluated (see Figure A.1-6). If contamination is consistent with the CSM and is within spatial boundaries, then the decision will be to continue sampling to define extent.

A.3.7.1 CAS 25-16-01, E-MAD Construction Waste Pile

Phase II activities will consist of subsurface soil sampling to determine the nature and extent of contamination. Backhoe excavation will be the primary investigation technique to access sample locations; however, if the vertical extent of contamination is deeper or inaccessible to excavation, then an appropriate direct-push or drilling technique will be used.

Assuming that a continuous area of debris was delineated during Phase I, a minimum of three locations within the area of debris will be sampled to define the vertical extent of COCs. At least one sample location will include the Phase I sample with the highest concentrations of COCs above PALs. Defining vertical extent of contamination will initially begin at the waste/native soil interface and will proceed with depth until one “clean” sample has been collected. Biasing factors will support the selection of soil sampling interval(s) for analysis. At least four initial step-outs to bound lateral contamination will be sampled outside the area of debris (as determined in Phase I). The initial lateral step-outs will be located approximately 5 ft outward from the edge of the area of debris, and the distance between subsequent step-outs will be 10 ft. These distances may be modified in the field by the Site Supervisor, based on Phase I data and other biasing factors. The vertical depth of initial lateral step-out locations will be based on the deepest contamination observed during sampling to define vertical extent. The depth of subsequent step-outs will be based on the deepest contamination observed at all locations. If field screening or other biasing factor suggests COCs are present above

PALs at a step-out, additional step-out locations will be sampled until lateral and vertical contamination has been bounded.

If Phase I activities indicate that contamination exceeding PALs is present only in discrete locations (e.g., spill from a container), Phase II characterization will proceed as follows. The vertical extent of contamination will be determined at the Phase I location(s) where contamination exceeded PALs. To bound lateral and vertical contamination, a minimum of three step-out locations, arranged in a triangular pattern with the Phase I location in the center, will be sampled. Initial step-outs will be located laterally a distance from the edge of the potential contamination determined as follows: the step-out distance will equal approximately one-half of the length of the long axis of the feature or object that is assumed to be the potential contamination (step-out distance will not exceed 10 ft). Initial step-outs will be at least as deep as the vertical extent of contamination defined at the Phase I sampling location. The spacing of subsequent step-outs will be twice the initial spacing defined above. The depth of subsequent step-outs will be based on the deepest contamination observed at all locations. The number, location, and spacing of step-outs may be modified by the Site Supervisor, if warranted by site conditions.

If COCs exceeding PALs are detected during Phase I sampling of the soil mound, Phase II characterization activities will be similar to those described for a discrete area of contamination. However, the lateral extent of contamination may be limited by the extent of the soil pile itself.

A.3.7.2 CAS 25-16-03, MX Landfill

Phase II characterization will be the same discussed in Section A.3.7.1 for the E-MAD construction waste pile. However, initial step-outs will be located approximately 10 ft outside of the boundaries of the landfill, as defined by the four concrete monuments that mark the corners of the landfill. Subsequent step-out locations will be spaced 10 ft apart. The strategy for determining step-out depths will be identical to that given in Section A.3.7.1.

A.3.7.3 CAS 25-19-02, R-MAD Waste Disposal Site

Phase II activities will consist of soil sampling to determine the nature and extent of contamination. As pointed out elsewhere, this CAS is somewhat unique compared to other CASs in the Waste Disposal Sites CSM because buried waste/debris is not known to be present and is not expected.

However, as a contingency, if contamination is identified within a continuous feature (e.g. trench or pit) or at a discrete feature (e.g., small soil stain) during Phase I activities, Phase II characterization would be similar to that described for CAS 25-16-01 (Section A.3.7.1).

A.3.7.4 CAS 26-19-02, Pluto Contaminated Waste Dump #2

Phase II characterization activities will consist of confirming the integrity of the concrete structure as a barrier to migration (i.e., will determine if contamination extends into the soil outside of the waste dump structure).

A minimum of four sample locations (one per side) will be excavated and/or drilled immediately outside of the concrete walls. In the absence of biasing factors, the approximate midpoint of each wall will be the initial sample location, except for the back (northernmost) wall. Sampling point(s) outside this wall will be biased laterally to the location of weep holes shown on Engineering Drawing 2202-RR6 (Burns and McDonnell Engineering Co., 1960). Other biasing factors from Phase I may indicate more appropriate sampling locations outside of the concrete walls. The depth of investigation will extend to the concrete footer to collect integrity samples for laboratory analysis. If COCs are detected in concentrations above PALs, additional step-out sampling will be conducted to bound vertical and lateral contamination. The step-out spacing will be approximately 10 ft and may be modified by the Site Supervisor based on site conditions. The depth of additional step-outs will be based on the deepest contamination observed at all locations.

A.3.7.5 CAS 26-08-01, Pluto Building 2204 Waste Pile/Burn Pit

Phase II activities would consist of additional surface soil sampling and possibly excavation sampling to determine the extent of contamination for each population in which Phase I sampling indicated contamination above PALs is present. Phase I characterization activities will include delineating the areal extent (i.e., footprint) of each population.

This Phase II strategy applies to each population where PALs were exceeded. Sampling will determine the vertical extent of contamination at each Phase I location where COC concentrations exceed PALs. To establish the lateral extent of contamination, soil samples will be collected and analyzed from a minimum of four step-outs located outside the footprint of the population. The step-outs will be approximately 5 ft laterally from the edge of the footprint. Initial step-outs will be at

least as deep as the vertical extent of contamination defined at the Phase I sampling location(s). Lateral spacing of subsequent step-outs will be 10 ft, and the depth will be based on the deepest contamination observed at all locations. The number, location, and spacing of step-outs may be modified by the Site Supervisor, if warranted by site conditions.

A.3.7.6 CAS 25-23-13, ETL (TTF) Laboratory Radioactive Contamination

The objective of the Phase II investigation of the fume hoods, associated ventilation system, and other radiologically posted areas/objects in the TTF (Building 3124) is to determine the presence of radiological contamination to meet free-release criteria of the materials. Defining the nature and extent of contamination will be based on data resulting from radiological scanning surveys and swipe collections limited to the materials and associated building structures. Because the criteria for meeting free release is different than comparing soil data to PRGs, the quality of data resulting from radiological scanning surveys and swipe counting will be sufficient for decision making. The laboratory fume hoods, accessible surfaces in contact with the hoods, duct work, roof vents, portions of the TTF roof will be included in characterization activities. Other areas of the TTF and associated objects that are radiologically posted (e.g., Soil Preparation Bay) will also be included in characterization activities.

Available engineering drawings will be reviewed and, using professional judgement, biased sample locations will be determined where worst-case contamination may be expected. Sample locations may also be determined by direct inspection of the TTF. At accessible locations (e.g., roof or wall), radiological scanning survey data will be used to support selection of worst-case locations for swipe collection. Areas that are difficult to access may be surveyed or swiped "remotely" by increasing the length of probe cables or collecting swipes with long-handled tools. All characterized materials are expected to remain intact for future corrective actions, except for remote access points, if necessary.

A.3.7.7 CASs 25-34-01 and 25-34-02, NRDS Contaminated Bunkers

Scabbling or shot-blasting of concrete will be performed to determine the extent of contamination into the concrete perpendicular to the surface of the wall or ceiling. The scabbling or shot-blasting will take place at a minimum of two worst-case contamination locations determined by Phase I characterization. Following scabbling or shot-blasting, the locations will be resurveyed to evaluate the extent of contamination (i.e., determine if the contamination is limited to the surface of the

concrete). Lateral extent of contamination will have been determined previously in Phase I during the radiological scanning survey over 100 percent of the structure.

A.3.7.8 CAS 26-17-01, Pluto Waste Holding Area

Phase II activities would consist of additional soil sampling to determine the nature and extent of contamination. Phase II activities may also consist of additional characterization of the effluent pipeline extending from the Project Pluto Test Bunker (Building 2203) to the Waste Holding Area.

Soil samples will be collected from a minimum of four locations on the interior edges of the Waste Holding Area basin. At each location, a surface soil sample and a subsurface soil sample will be collected for analysis. The depth of the excavations or boreholes will be sufficient to intercept the horizon/interval where COC concentrations exceeding PALs were detected in Phase I sampling locations.

Additional step-out locations will be sampled, if necessary, to define the extent of contamination. The lateral spacing of the additional step-outs will be approximately 5 ft. If a berm is present, as on the south and east sides, the step-out may be located at the outside base of the berm. The depth of step-outs will be sufficient to intercept the horizon/interval where COCs were present above PALs in Phase I and subsequent samples. Only subsurface soil samples will be collected from step-outs located outside of the basin, surface soil samples will not be collected from these locations. The location, depth, and spacing of step-out sampling points may be modified by the Site Supervisor based on site conditions.

Phase II characterization of the radioactive effluent pipeline is dependent on the data and observations obtained during Phase I. Several options for further characterization are available; the selected method(s) will be dependent on site conditions. Manholes and cleanouts will serve as the primary access points to the pipeline. Additional access points may be created by excavating a break in the line. Excavated sections of pipe may be directly surveyed and swiped for radiological characterization. A limited video survey may be performed using a video mole. Large area swipes may be collected using fish tape or pipe snake. *In situ* radiological characterization of the pipeline may also be performed using specialized equipment.

A.3.7.9 CAS 25-23-18, Area 25 Radioactive Material Storage Facility

Surface soil in portions of the RMSF is known to be radiologically contaminated (Section A.1.3.4 and Section A.1.4). For this reason, the investigation of CAS 25-23-18 will proceed directly to Phase II. Phase II characterization activities at the RMSF will include radiological surface surveys and soil sampling to define the nature and extent of contamination.

Best management practices for CAS 25-23-18 will include removal of various objects and equipment currently present in the RMSF. Walkover and/or driveover radiological surveys of the ground surface beneath and adjacent to these materials will be performed following their removal to identify any additional areas of surface soil contamination. A radiological survey of ground surface between the inner and outer fences will also be performed to confirm that contamination is not present in this area or to identify additional locations of contamination. Some of the railroad cars (CAS 25-23-02) may also be moved to support radiological survey activities at CAS 25-23-18.

Biased soil samples will be collected from locations where potential contamination is present, based on biasing factors such as staining or radiological survey results. At these locations, the vertical extent of potential contamination will be determined. The sampling intervals will be determined in the field, as guided by field-screening results. At a minimum, the 0- to 6-in. depth interval will be collected for analysis.

The radiological surface survey data will define the extent of laterally continuous areas of contamination. Soil samples will be collected from step-out locations and submitted for laboratory analysis to confirm the radiological surface survey results (i.e., confirm the lateral extent of contamination). Additional step-out locations will be sampled as required to determine the extent of contamination. Lateral step-out spacings will be 10 ft. The number, location, and spacing of step-outs may be modified by the Site Supervisor, if warranted by site conditions.

As discussed above, the extent of laterally continuous areas of contamination will be defined by step-out sampling. However, the extent of individual “hot spots” will not evaluated by sampling and analysis. The radiological surface survey data will suffice to characterize hot spots.

A.3.7.10 CAS 25-23-02, Radioactive Storage Railroad Cars

Based on data from previous radiological surveys, specific railroad cars are known to be radioactively contaminated. For this reason, the investigation of CAS 25-23-02 will proceed directly to Phase II. The Phase II investigation will generate the data required for a free-release determination and to support other waste management decisions.

A radiological scanning survey will be performed over the accessible surfaces of each railroad car. The survey will determine the nature and extent of radiological contamination. The survey will also include the accessible portions of equipment and materials stored on some of the cars. If the survey identifies radiological contamination, swipes will be taken from the cars and counted to assess the potential for removable contamination. The primary biasing factor in selecting locations for swipes will be the results of the radiological scanning survey.

Because of observed radiation levels, health and safety considerations may limit characterization of certain cars (e.g., LASL NF car). To reduce radiation exposure rates and/or to reach otherwise inaccessible areas, survey data may be obtained “remotely” using extended probe cables and attaching swipes to long-handled tools.

The dimensions and volume of contaminated railroad cars, equipment, and materials will be estimated. Documentation will be sufficient such that hot spots or other areas of contamination can be located at a later date. If residual fluids are present in the cars (this applies primarily to the two locomotives), samples may be collected for analysis. The analyses would be for waste management purposes.

A.4.0 References

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APPENDIX B

SAMPLE ANALYTICAL RESULTS

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Sample Delivery Group V2538

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Bechtel Nevada

ANALYTICAL LABORATORY
SERVICES REQUEST & CHAIN OF CUSTODY RECORD

PROJECT/CLIENT INFORMATION
Project: CAU 168 | BN Org #: 3500
Charge Number: 51303 CD50
Project Manager: Jeff Smith
Phone: 5-7778 | Fax: 5-7761 | M/S: NTS 306

REPORT & TURNAROUND INFORMATION
Send Report to: Glenn Richardson
Phone: 5-5361 | Fax: 5-7761 | M/S: NTS 302
Turnaround: ☐ Standard - 14 days IH, 28 days Non-rad Env, 45 Days Rad Env, ☒ Rush Preliminary by: _____ (IH)
☐1 ☐2 ☒7 ☐14 (non-Rad Env)
☐1 ☐7 ☐14 ☐28 (Radiological Env)

SAMPLE INFORMATION
Sampling Site: CAS 26-08-01
The samples submitted contain (check):
☒ Hazardous *(list)* - TPH
☐ Radioactive *(list)* -
☐ Unknown contamination.
If known, identify contaminants.
This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION
SDG: _____ (IH) V2538 (Non-Rad Env) _____ (Rad Env)
Samples submitted are associated with a signed Project SOW ☒ Yes ☐ No
Analyses entered here agree with the SOW ☒ Yes ☐ No ☐ N/A
If not, identify the variation: _____
Subcontract Lab(s) used for this work: Livermore Laboratory

ID/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres - Analysis eg. HCl - VOCs	Pay Item, Analysis, Method: 10.52 TPH Full Scan
168260801-V1	8/30/05	1240	Soil	1	250 ml				None	X
168260801-V2		1245								X
168260801-V3		1250								X
168260801-V4		1255								X
168260801-V5		1300								X
168260801-V6		1305								X
LAST ITEM										

CUSTODY TRANSFER Sampled/Relinquished (print)	Signature	Date/Time	Received by (print)	Signature	Date/Time
Mike Floyd	/s/: Signature on File	8/30/05 1825	Refer		8/30/05 1830
Refer		8/31/05 0805	Mike Floyd	/s/: Signature on File	8/31/05 0805
Mike Floyd	/s/: Signature on File	8/31/05 0920	TED REDDICK	/s/: Signature on File	9/1/05 0820
TED REDDICK	/s/: Signature	9/1/05 1300	Fed Ex 791718477622	791718477622	9/1/05 1300
Fed Ex		9/3/05 1015	VICTOR HERNANDEZ	/s/: Signature on File	9/3/05 1015

Retention Code: ENV 5.c(1)

BN-0732 (04/02)

21 NEVADA

Bechtel Nevada

ANALYTICAL LABORATORY
SERVICES REQUEST & CHAIN OF CUSTODY RECORD

PROJECT/CLIENT INFORMATION

Project: CAU 168 | BN Org #:
Charge Number: 5B03 CA50
Project Manager: Jeff Smith
Phone: 5-7775 | Fax: 5-7761 | M/S: NTS 306

REPORT & TURNAROUND INFORMATION

Send Report to: Glenn Richardson
Phone: 5-5361 | Fax: 5-7761 | M/S: NTS 306
Turnaround: ☐ Standard - 14 days IH, 28 days Non-rad Env, 45 Days Rad Env,
☒ Rush Preliminary by: _____ (IH)
☐1 ☐2 ☒7 ☐14 (non-Rad Env)
☐1 ☐7 ☐14 ☐28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: 25-16-01
The samples submitted contain (check):
☒ Hazardous *(list)* - TPH
☐ Radioactive *(list)* -
☐ Unknown contamination.
If known, identify contaminants.
This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

SDG: _____ (IH) V2538 (Non-Rad Env) _____ (Rad Env)
Samples submitted are associated with a signed Project SOW ☒ Yes ☐ No
Analyses entered here agree with the SOW ☒ Yes ☐ No ☐ N/A
If not, identify the variation: _____
Subcontract Lab(s) used for this work: Livermore Laboratory

Pay Item, Analysis, Method

	10.52							
	TPH Kellson							

ID/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres - Analysis eg. HCl - VOCs							
168251601-V1	8/31/05	0900	Soil	1	250 ml				None	X						
168251601-V2	"	0905	"	"	"				"	X						
168251601-V3	"	0910	"	"	"				"	X						
168251601-V4	"	0915	"	"	"				"	X						
168251601-V5	"	0920	"	"	"				"	X						
168251601-VC	"	0925	"	"	"				"	X						
LAST ITEM																

CUSTODY TRANSFER

Sampled/Relinquished (print)	Signature	Date/Time	Received by (print)	Signature	Date/Time
Robert Bamert	/s/: Signature on File	8/31/05 12:10	Refrigerator		8/31/05 12:10
Refer		8/31/05 0900	Mike Floyd	/s/: Signature on File	9/1/05 0905
Mike Floyd	/s/: Signature on File	9/1/05 0820	TED REDDING	/s/: Signature on File	9/1/05 0820
TED REDDING	/s/: Signature on File	9/1/05 1300	Fed Ex 791718476272, 791718476283		9/1/05 1300
Fed Ex		9/3/05 1015	VICTOR HERNANDEZ	/s/: Signature on File	9/3/05 1015

Retention Code: ENV 5.c(1)

BN-0732 (04/02)

Bechtel Nevada

ANALYTICAL LABORATORY
SERVICES REQUEST & CHAIN OF CUSTODY RECORD

Page 1 of 4

PROJECT/CLIENT INFORMATION

Project: CAU 168 | BN Org #: B542
Charge Number: 5B03 CP50
Project Manager: Jeff Smith
Phone: 5-7777 | Fax: 5-7761 | M/S: NTS 306

REPORT & TURNAROUND INFORMATION

Send Report to: Glenn Richardson
Phone: | Fax: 5-7761 | M/S: NTS 306
Turnaround: ☐ Standard - 14 days IH, 28 days Non-rad Env, 45 Days Rad Env,
☒ Rush Preliminary by: _____ (IH)
☐ 1 ☐ 2 ☒ 7 ☐ 14 (non-Rad Env)
☐ 1 ☐ 7 ☐ 14 ☐ 28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAU 168
The samples submitted contain (check):
☒ Hazardous *(list)* - PCB
☐ Radioactive *(list)* -
☐ Unknown contamination.
If known, identify contaminants.
This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

SDG: _____ (IH) V2538 (Non-Rad Env) _____ (Rad Env)
Samples submitted are associated with a signed Project SOW ☒ Yes ☐ No
Analyses entered here agree with the SOW ☒ Yes ☐ No ☐ N/A
If not, identify the variation: _____
Subcontract Lab(s) used for this work: Lionville Laboratory

ID/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres - Analysis eg. HCl - VOCs	Pay Item, Analysis, Method: 8.1 PCB
168261701 - V1	8/29/05	1315	Soil	1	250ml				NONE	X
168261701 - V2		1320								X
168261701 - V3		1325								X
168261701 - V4		1330								X
168261701 - V5		1335								X
168261701 - V6	V	1340	V	V	V				V	X
LAST ITEM										

CUSTODY TRANSFER

Sampled/Relinquished (print)	Signature	Date/Time	Received by (print)	Signature	Date/Time
M. Le Floyd	/s/: Signature on File	8/29/05 1730	Refer		8/29/05 1735
Refer		9/1/05 0800	M. Le Floyd	/s/: Signature on File	9/1/05 0800
M. Le Floyd	/s/: Signature on File	9/1/05 0820	TED REDDING	/s/: Signature on File	9/1/05 0820
TED REDDING	/s/: Signature on File	9/1/05 1300	Fed Ex 791718476272, 791718476283		9/1/05 1300
Fed Ex		9/3/05 1015	VICTOR HERNANDEZ	/s/: Signature on File	9/3/05 1015

Retention Code: ENV 5.c(1)

BN-0732 (04/02)

Bechtel Nevada

ANALYTICAL LABORATORY
SERVICES REQUEST & CHAIN OF CUSTODY RECORD

PROJECT/CLIENT INFORMATION

Project: CAU 168 | BN Org #: B502
Charge Number: 5B03 CD 50
Project Manager: Jeff Smith
5-7775 Phone: | 5-7761 Fax: | NTS 306 M/S:

REPORT & TURNAROUND INFORMATION

Send Report to: Glenn Richardson
Phone: 5-5361 | Fax: 5-7761 | M/S: NTS 306
Turnaround: ☐ Standard - 14 days IH, 28 days Non-rad Env, 45 Days Rad Env, ☐ Rush Preliminary by: _____ (IH)
☐1 ☐2 ☒7 ☐14 (non-Rad Env)
☐1 ☐7 ☐14 ☐28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAS 26-17-01
The samples submitted contain (check):
☒ Hazardous *(list)* - TPH
☐ Radioactive *(list)* -
☐ Unknown contamination.
If known, identify contaminants.
This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

SDG: _____ (IH) V2538 (Non-Rad Env) _____ (Rad Env)
Samples submitted are associated with a signed Project SOW ☒ Yes ☐ No
Analyses entered here agree with the SOW ☒ Yes ☐ No ☐ N/A
If not, identify the variation: _____
Subcontract Lab(s) used for this work: Livermore Laboratory

ID/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres - Analysis eg. HCl - VOCs	Pay Item, Analysis, Method: 10.52 TPH Full Scan
168261701 - V7	8/29/05	1315	Soil	1	250ml				None	
168261701 - V8		1320								
168261701 - V9		1325								
168261701 - V10		1330								
168261701 - V11		1335								
168261701 - V12	8/30/05	0850								
LAST ITEM										

CUSTODY TRANSFER

Sampled/Relinquished (print)	Signature	Date/Time	Received by (print)	Signature	Date/Time
Mike Floyd	/s/: Signature on File	8/30/05 1100	Refer		8/30/05 1815
Refer		8/31/05 0800	Mike Floyd	/s/: Signature on File	8/31/05 0805
Mike Floyd	/s/: Signature on File	8/31/05 0820	/s/: Signature on File	/s/: Signature on File	9/1/05 0820
Ted Redding	/s/: Signature on File	9/1/05 1300	FedEx 791718476272, 791718476283		9/1/05 1300
Fed Ex		9/3/05 1015	Victor Hernandez	/s/: Signature on File	9/3/05 1015

Retention Code: ENV 5.c(1)

BN-0732 (04/02)

Lionville Laboratory, Inc.

GAS RANGE ORGANICS

RFW Batch Number: 0509L281 Client: BECHTEL NEVADA V2538 Work Order: 60052001001 Page: 1 Report Date: 09/14/05 12:53

	Cust ID:	168261701-V7	168261701-V7	168261701-V7	168261701-V8	168261701-V9	168261701-V10
Sample Information	RFW#:	007	007 MS	007 MSD	008	009	010
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Fluorobenzene		83 %	89 %	85 %	88 %	83 %	88 %
Gasoline Range Organics (GRO)		30 U	86 %	84 %	30 U	30 U	30 U

	Cust ID:	168261701-V11	168261701-V12	168260801-V1	168260801-V2	168260801-V3	168260801-V4
Sample Information	RFW#:	011	012	013	014	015	016
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Fluorobenzene		85 %	76 %	82 %	77 %	84 %	82 %
Gasoline Range Organics (GRO)		30 U	33 U	30 U	30 U	30 U	30 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked. %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

	Cust ID:	168260801-V5	168260801-V6	168251601-V1	168251601-V2	168251601-V3	168251601-V4
Sample Information	RFW#:	017	018	019	020	021	022
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Fluorobenzene		74 %	84 %	86 %	85 %	83 %	86 %
Gasoline Range Organics (GRO)		29 U	30 U	30 U	30 U	30 U	30 U

	Cust ID:	168251601-V5	168251601-V6	TBLKWG	TBLKWG BS	TBLKWH	TBLKWH BS
Sample Information	RFW#:	023	024	05LVJ907-MB1	05LVJ907-MB1	05LVJ908-MB1	05LVJ908-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Fluorobenzene		85 %	81 %	92 %	104 %	101 %	98 %
Gasoline Range Organics (GRO)		30 U	30 U	30 U	118 %	30 U	110 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Lionville Laboratory, Inc.
GAS RANGE ORGANICS

RFW Batch Number: 0509L281 Client: BECHTEL NEVADA V2538 Work Order: 60052001001 Page: 3 Report Date: 09/14/05 12:53

	Cust ID:	TBLKWH BSD	TBLKWI	TBLKWI BS	TBLKWI BSD
Sample Information	RFW#:	05LVJ908-MB1	05LVJ909-MB1	05LVJ909-MB1	05LVJ909-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG
Fluorobenzene		105 %	99 %	102 %	104 %
Gasoline Range Organics (GRO)		111 %	30 U	115 %	112 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

SOIL VOLATILE SURROGATE RECOVERY 60062-001-001-0001-00

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ KBW 9/14/06

Case No.: BECHTEL NEVADA V2538

RFW Lot No.: 0509L281

	CLIENT SAMPLE NO.	S1 (FLB) #	S2 ( ) #	S3 ( ) #	OTHER	TOT OUT
01	168261701-V7	83				0
02	168261701-V7MS	89				0
03	168261701-V7MSD	85				0
04	168261701-V8	88				0
05	168261701-V9	83				0
06	168261701-V10	88				0
07	168261701-V11	85				0
08	168261701-V12	76				0
09	168260801-V1	82				0
10	168260801-V2	77				0
11	168260801-V3	84				0
12	168260801-V4	82				0
13	168260801-V5	74				0
14	168260801-V6	84				0
15	168251601-V1	86				0
16	168251601-V2	85				0
17	168251601-V3	83				0
18	168251601-V4	86				0
19	168251601-V5	85				0
20	168251601-V6	81				0
21	TBLKWGLVJ907-MB1	92				0
22	TBLKWGLVJ907-MB1 BS	104				0
23	TBLKWHLVJ908-MB1	101				0
24	TBLKWHLVJ908-MB1 BS	98				0
25	TBLKWHLVJ908-MB1 BSD	105				0
26	TBLKWILVJ909-MB1	99				0
27	TBLKWILVJ909-MB1 BS	102				0

9/14/06

QC LIMITS
(40-150)

S1 (FLB) = Fluorobenzene

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

FORM II VOA-2

01/89 Rev.

SOIL VOLATILE SURROGATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ 10052-001-001-0001-00 MW 9/14/00

Case No.: BECHTEL NEVADA V2538

RFW Lot No.: 0509L281

	CLIENT SAMPLE NO.	S1 (FLB)#	S2 ( )#	S3 ( )#	OTHER	TOT OUT
28	TBLKWILVJ909-MB1 BSD	104.				0

QC LIMITS
(40-150)

S1 (FLB) = Fluorobenzene

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

9/14

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: ~~0052 01 01~~ 60052-001-001-0001-00 RW 9/14/01

Case No.: BECHTEL NEVADA V2538 RFW Lot No.: 0509L281-007

MATRIX Spike - Sample No.: 168261701-V7 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Gasoline Range Organics (GRO)	453	0	388	86	40 -150

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
Gasoline Range Organics (GRO)	453	382	84	2	30	40 -150

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

9/14/01

COMMENTS:

3B

SOIL VOLATILE MATRIX SPIKE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ 60052-001-001-0001-00 NBW 9/14/00

Case No.: BECHTEL NEVADA V2538 RFW Lot No.: 0509L281

MATRIX Spike - Sample No.: TBLKWGLVJ907-MB1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Gasoline Range Organics (GRO)	453	0	535	118	40 -150

Column to be used to flag recovery value with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

9/14/00

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ 60052-001-001-0001-03 MW 9/14/06

Case No.: BECHTEL NEVADA V2538 RFW Lot No.: 0509L281

MATRIX Spike - Sample No.: TBLKWHLVJ908-MB1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Gasoline Range Organics (GRO)	453	0	496	110	40 -150

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
Gasoline Range Organics (GRO)	453	504	111	0	30	40 -150

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

9/14/06

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ 60052-001-001-0001-00 NBW 9/14/05

Case No.: BECHTEL NEVADA V2538 RFW Lot No.: 0509L281

MATRIX Spike - Sample No.: TBLKWILVJ909-MB1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Gasoline Range Organics (GRO)	453	0	522	115	40 -150

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
Gasoline Range Organics (GRO)	453	505	112	2	30	40 -150

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

9/14/05

4D
METHOD BLANK SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 60052-001-001-0001-00

Case No.: BECHTEL NEVADA V2538

Lab Sample ID: 05LVJ907-MB1 Lab File ID: BLKLACHJ.02

Matrix: (Soil/Water) SOIL Level: (low/med) LOW

Date Extracted: 09/07/05 Extraction: (SepF/Cont/Sonc) N/A

Date Analyzed (1): 09/07/05 Time Analyzed (1): ____

Instrument ID (1): __ GC Column ID (1): RTX-CLP2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1
01	168261701-V7	0509L281-007	09/07/05
02	168261701-V7MS	0509L281-007S	09/07/05
03	168261701-V7MSD	0509L281-007T	09/07/05
04	168261701-V8	0509L281-008	09/07/05
05	168261701-V9	0509L281-009	09/07/05
06	168261701-V10	0509L281-010	09/07/05
07	168261701-V11	0509L281-011	09/07/05
08	168261701-V12	0509L281-012	09/07/05
09	TBLKWGLVJ907-MB1 BS	05LVJ907-MB1S	09/07/05

COMMENTS:

FORM IV

4D

METHOD BLANK SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 60052-001-001-0001-00

Case No.: BECHTEL NEVADA V2538

Lab Sample ID: 05LVJ908-MB1 Lab File ID: BLKLACHJ.02

Matrix:(Soil/Water) SOIL Level:(low/med) LOW

Date Extracted: 09/08/05 Extraction:(SepF/Cont/Sonc) N/A

Date Analyzed (1): 09/08/05 Time Analyzed (1): ____

Instrument ID (1): __ GC Column ID (1): RTX-CLP2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1
01	168260801-V1	0509L281-013	09/08/05
02	168260801-V2	0509L281-014	09/08/05
03	168260801-V3	0509L281-015	09/08/05
04	168260801-V4	0509L281-016	09/08/05
05	168260801-V5	0509L281-017	09/08/05
06	168260801-V6	0509L281-018	09/08/05
07	168251601-V1	0509L281-019	09/08/05
08	TBLKWHLVJ908-MB1 BS	05LVJ908-MB1S	09/08/05
09	TBLKWHLVJ908-MB1 BSD	05LVJ908-MB1T	09/08/05

COMMENTS:

FORM IV

4D

METHOD BLANK SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 60052-001-001-0001-00

Case No.: BECHTEL NEVADA V2538

Lab Sample ID: 05LVJ909-MB1 Lab File ID: BLKLACHJ.02

Matrix:(Soil/Water) SOIL Level:(low/med) LOW

Date Extracted: 09/09/05 Extraction:(SepF/Cont/Sonc) N/A

Date Analyzed (1): 09/09/05 Time Analyzed (1): ____

Instrument ID (1): __ GC Column ID (1): RTX-CLP2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1
01	168251601-V2	0509L281-020	09/09/05
02	168251601-V3	0509L281-021	09/09/05
03	168251601-V4	0509L281-022	09/09/05
04	168251601-V5	0509L281-023	09/09/05
05	168251601-V6	0509L281-024	09/09/05
06	TBLKWILVJ909-MB1 BS	05LVJ909-MB1S	09/09/05
07	TBLKWILVJ909-MB1 BSD	05LVJ909-MB1T	09/09/05

COMMENTS:

FORM IV

Lionville Laboratory, Inc.

DIESEL RANGE ORGANICS BY GC

Report Date: 09/14/05 12:34

RFW Batch Number: **0509L281** Client: **BECHTEL NEVADA V2538** Work Order: 60052001001 Page: 1

	Cust ID:	168261701-V7	168261701-V8	168261701-V9	168261701-V10	168261701-V11	168261701-V12
Sample Information	RFW#:	007	008	009	010	011	012
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
p-Terphenyl		85 %	80 %	87 %	79 %	90 %	88 %
Diesel Range Organics		4000 U	4000 U	4000 U	4000 U	4000 U	4000 U
Motor Oil Range Organics		12000 U	12000 U	12000 U	12000 U	12000 U	12000 U

	Cust ID:	168260801-V1	168260801-V2	168260801-V3	168260801-V4	168260801-V5	168260801-V6
Sample Information	RFW#:	013	014	015	016	017	018
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
p-Terphenyl		84 %	81 %	79 %	73 %	89 %	77 %
Diesel Range Organics		4000 U	4000 U	4000 U	4000 U	4000 U	4000 U
Motor Oil Range Organics		12000 U	12000 U	12000 U	12000 U	12000 U	12000 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

	Cust ID:	168251601-V1	168251601-V2	168251601-V3	168251601-V4	168251601-V5	168251601-V6
Sample Information	RFW#:	019	020	021	022	023	024
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
p-Terphenyl		76 %	74 %	83 %	82 %	87 %	90 %
Diesel Range Organics		4000 U	4000 U	4000 U	4000 U	4000 U	4000 U
Motor Oil Range Organics		12000 U	12000 U	12000 U	12000 U	12000 U	12000 U

	Cust ID:	168251601-V6	168251601-V6	BLK	BLK BS
Sample Information	RFW#:	024 MS	024 MSD	05LE0743-MB1	05LE0743-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00
	Units:	ug/kg	ug/kg	ug/kg	ug/kg
p-Terphenyl		85 %	72 %	87 %	88 %
Diesel Range Organics		83 %	57 %	4000 U	72 %
Motor Oil Range Organics		NS	NS	12000 U	NS

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

2B

SOIL VOLATILE SURROGATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ 60052-001-001-0001-00 MBW 9/14/06

Case No.: BECHTEL NEVADA V2538

RFW Lot No.: 0509L281

	CLIENT SAMPLE NO.	S1 ( )#	S2 ( )#	S3 ( )#	OTHER	TOT OUT
01	168261701-V7	85				0
02	168261701-V8	80				0
03	168261701-V9	87				0
04	168261701-V10	79				0
05	168261701-V11	90				0
06	168261701-V12	88				0
07	168260801-V1	84				0
08	168260801-V2	81				0
09	168260801-V3	79				0
10	168260801-V4	73				0
11	168260801-V5	89				0
12	168260801-V6	77				0
13	168251601-V1	76				0
14	168251601-V2	74				0
15	168251601-V3	83				0
16	168251601-V4	82				0
17	168251601-V5	87				0
18	168251601-V6	90				0
19	168251601-V6MS	85				0
20	168251601-V6MSD	72				0
21	BLKLE0743-MB1	87				0
22	BLKLE0743-MB1 BS	88				0

9/14/06

QC LIMITS
(35-130)

S1 ( ) = p-Terphenyl

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

FORM II VOA-2

01/89 Rev.

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ 60052-001-001-0001-00 KBG 9/14/05

Case No.: BECHTEL NEVADA V2538 RFW Lot No.: 0509L281-024

MATRIX Spike - Sample No.: 168251601-V6 Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Diesel Range Organics	60000	0	49800	83	30 -130

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
Diesel Range Organics	60000	33900	57	37	99	30 -130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

9/14/05

3B

SOIL VOLATILE BLANK SPIKE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ 60052-001-001-0001-00 MW 9/14/05

Case No.: BECHTEL NEVADA V2538 RFW Lot No.: 0509L281

BLANK Spike - Sample No.: BLKLE0743-MB1 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	BS CONCENTRATION UG/KG	BS % REC #	QC LIMITS REC
Diesel Range Organics	60000	0	43500	73	30 -130

Column to be used to flag recovery value with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

4D

METHOD BLANK SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 60052-001-001-0001-00

Case No.: BECHTEL NEVADA V2538

Lab Sample ID: 05LE0743-MB1 Lab File ID: BLKLACHJ.02

Matrix:(Soil/Water) SOIL Level:(low/med) LOW

Date Extracted: 09/06/05 Extraction:(SepF/Cont/Sonc) SOX3

Date Analyzed (1): 09/07/05 Time Analyzed (1): ____

Instrument ID (1): __ GC Column ID (1): RTX-CLP2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1
01	168261701-V7	0509L281-007	09/07/05
02	168261701-V8	0509L281-008	09/07/05
03	168261701-V9	0509L281-009	09/07/05
04	168261701-V10	0509L281-010	09/07/05
05	168261701-V11	0509L281-011	09/08/05
06	168261701-V12	0509L281-012	09/08/05
07	168260801-V1	0509L281-013	09/08/05
08	168260801-V2	0509L281-014	09/08/05
09	168260801-V3	0509L281-015	09/08/05
10	168260801-V4	0509L281-016	09/08/05
11	168260801-V5	0509L281-017	09/08/05
12	168260801-V6	0509L281-018	09/08/05
13	168251601-V1	0509L281-019	09/08/05
14	168251601-V2	0509L281-020	09/08/05
15	168251601-V3	0509L281-021	09/08/05
16	168251601-V4	0509L281-022	09/08/05
17	168251601-V5	0509L281-023	09/08/05
18	168251601-V6	0509L281-024	09/08/05
19	168251601-V6MS	0509L281-024S	09/08/05
20	168251601-V6MSD	0509L281-024T	09/08/05
21	BLKLE0743-MB1 BS	05LE0743-MB1S	09/07/05

9/14/05

COMMENTS:

FORM IV

Lionville Laboratory, Inc.

PCBs by GC

RFW Batch Number: 0509L281 Client: BECHTEL NEVADA V2538 Work Order: 60052001001 Page: 1

Report Date: 09/09/05 14:12

Sample Information	Cust ID:	168261701-V1	168261701-V2	168261701-V3	168261701-V4	168261701-V5	168261701-V6
	RFW#:	001	002	003	004	005	006
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Surrogate: Tetrachloro-m-xylene		75 %	69 %	74 %	72 %	74 %	77 %
Decachlorobiphenyl		95 %	90 %	96 %	96 %	94 %	96 %
Aroclor-1016		14 U	14 U	14 U	13 U	14 U	14 U
Aroclor-1221		14 U	14 U	14 U	13 U	14 U	14 U
Aroclor-1232		14 U	14 U	14 U	13 U	14 U	14 U
Aroclor-1242		14 U	14 U	14 U	13 U	14 U	14 U
Aroclor-1248		14 U	14 U	14 U	13 U	14 U	14 U
Aroclor-1254		14 U	14 U	14 U	13 U	14 U	14 U
Aroclor-1260		14 U	5.4 J	67	13 U	5.7 J	14 U

Sample Information	Cust ID:	168261701-V6	168261701-V6	PBLKTA	PBLKTA BS
	RFW#:	006 MS	006 MSD	05LE0742-MB1	05LE0742-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG
Surrogate: Tetrachloro-m-xylene		78 %	70 %	76 %	79 %
Decachlorobiphenyl		99 %	92 %	95 %	99 %
Aroclor-1016		88 %	82 %	13 U	87 %
Aroclor-1221		14 U	14 U	13 U	13 U
Aroclor-1232		14 U	14 U	13 U	13 U
Aroclor-1242		14 U	14 U	13 U	13 U
Aroclor-1248		14 U	14 U	13 U	13 U
Aroclor-1254		14 U	14 U	13 U	13 U
Aroclor-1260		96 %	90 %	13 U	95 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

2F

SOIL PESTICIDE SURROGATE RECOVERY

60052-001-001-0001-00

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ MN 9/14/05

Case No.: BECHTEL NEVADA V2538 Level: (low/med) LOW

RFW Lot No.: 0509L281

	CLIENT SAMPLE NO.	S1 ( )#	OTHER DCB
01	168261701-V1	75	95
02	168261701-V2	69	90
03	168261701-V3	74	96
04	168261701-V4	72	96
05	168261701-V5	74	94
06	168261701-V6	77	96
07	168261701-V6MS	78	99
08	168261701-V6MSD	70	92
09	PBLKTALE0742-MB1	76	95
10	PBLKTALE0742-MB1 BS	79	99

ADVISORY QC LIMITS

S1 ( ) = Tetrachloro-m-xylene (28-118)

S2 (DCB) = Decachlorobiphenyl (38-122)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

9/14/05

FORM II PEST-2

01/89 Rev.

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ 60052-001-001-0001-00 RBW 9/14/05

Case No.: BECHTEL NEVADA V2538 RFW Lot No.: 0509L281-006

MATRIX Spike - Sample No.: 168261701-V6 Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Aroclor-1016	170	0	149	88	60 -140
Aroclor-1260	170	0	163	96	60 -140

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
Aroclor-1016	173	142	82	7	NA	60 -140
Aroclor-1260	173	156	90	6	NA	60 -140

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

9/13/05

COMMENTS:

SOIL PESTICIDE MATRIX SPIKE RECOVERY

60052-001-001-0001-00

Lab Name: Lionville Labs, Inc. Contract: ~~0052-01-01~~ 9/14/05

Case No.: BECHTEL NEVADA V2538 RFW Lot No.: 0509L281

MATRIX Spike - Sample No.: PBLKTALE0742-MB1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Aroclor-1016	167	0	145	87	60 -140
Aroclor-1260	167	0	158	95	60 -140

Column to be used to flag recovery value with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

4/9/1415

4D

METHOD BLANK SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 60052-001-001-0001-00

Case No.: BECHTEL NEVADA V2538

Lab Sample ID: 05LE0742-MB1 Lab File ID: BLKOOPPB.02

Matrix:(Soil/Water) SOIL Level:(low/med) LOW

Date Extracted: 09/06/05 Extraction:(SepF/Cont/Sonc) ****

Date Analyzed (1): 09/08/05 Time Analyzed (1): ____

Instrument ID (1): __ GC Column ID (1): RTX-CLP2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1
01	168261701-V1	0509L281-001	09/08/05
02	168261701-V2	0509L281-002	09/08/05
03	168261701-V3	0509L281-003	09/09/05
04	168261701-V4	0509L281-004	09/09/05
05	168261701-V5	0509L281-005	09/09/05
06	168261701-V6	0509L281-006	09/09/05
07	168261701-V6MS	0509L281-006S	09/09/05
08	168261701-V6MSD	0509L281-006T	09/09/05
09	PBLKTALE0742-MB1 BS	05LE0742-MB1S	09/08/05

9/14/05

COMMENTS:

FORM IV

Sample Delivery Group V2680

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Bechtel Nevada

ANALYTICAL LABORATORY

SERVICES REQUEST AND CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT / CLIENT INFORMATION

Project: CAU 168 CAS 25-16-01 | BN Org#: B502

Charge Number: 5B1A ~~5B0~~ 09D5

Project Manager: Jeff Smith

Phone: 5-5577 | Fax: | M/S: NTS306

REPORT & TURNAROUND INFORMATION

Send Report to: David Nacht

Phone: 5-5577 | Fax: | M/S: NTS306

Turnaround: ( ) Standard – 14 days IH, 28 days Non-rad Env, 45 days Rad Env

(X) ~~RUSH~~ Preliminary by: _____ (IH)

X 1 __2 __7 __14 (non-Rad Env)

__1 __7 __14 __28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAS 25-16-01

The samples submitted contain (check);

( ) **Hazardous** - *(list)* _____

( ) **Radioactive** - *(list)* _____

( ) **Unknown** contamination. If known, identify contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials. * TPH ONLY *

SAMPLE MANAGEMENT INFORMATION

SDG: _____ (IH) _____ (Non-Rad Env) _____ (Rad Env)

Samples submitted are associated with a signed Project SOW. ( ) YES ( ) NO

Analyses entered here agree with the SOW. ( ) YES ( ) NO ( ) N/A

If not, identify the variation: _____

Subcontract Lab(s) used for this work: _____

ID/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres – Analysis eg. HCl - VOCs	Pay Item, Analysis, Method: 10.52 8015 Modified TPH DRO+ORO
25160I-WC1	5/8/06	11:26	Soil	1	250ml				~~TPH~~ 4°C	X
25160I-WC2	5/8/06	11:26	Soil	1	250ml				~~TPH~~ 4°C	X
25160I-WC2D	5/8/06	11:26	Soil	1	250ml				~~TPH~~ 4°C	X

/s/: Signature on File

CUSTODY TRANSFER

Sampled/Relinquished (print)	Signature	DATE / TIME	Received by (print)	Signature	DATE / TIME
James Traynor	/s/: Signature on File	5/9/06 945	David Nacht	/s/: Signature on File	5-9-06 945
C. David Nacht	/s/: Signature on File	5-9-06 13:20	Caroline Sangar	/s/: Signature on File	5/9/06 1320

Rec'd @ 14°C 5/9/06

BN-0732 (04/02)

Southwest Analytical, Inc.

Date: *11-May-06*

CLIENT: Bechtel Nevada
Lab Order: L0605136
Project: SDG #V2680
Lab ID: L0605136-001

Client Sample ID: 251601-WC1
Collection Date: 5/8/2006 11:26:00 AM
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL EXTRACTABLE TPH		**SW8015M**				Analyst: **ADW-**
Diesel Range Organics (C10-C28)	ND	20		mg/Kg	1	5/9/2006
Oil Range Organics (C28-C36)	ND	50		mg/Kg	1	5/9/2006
Total Petroleum Hydrocarbons	ND	20		mg/Kg	1	5/9/2006
Surr: n-Octacosane	84.1	34.8-139		%REC	1	5/9/2006

Southwest Analytical, Inc.

Date: *11-May-06*

CLIENT: Bechtel Nevada
Lab Order: L0605136
Project: SDG #V2680
Lab ID: L0605136-002

Client Sample ID: 251601-WC2
Collection Date: 5/9/2006 11:26:00 AM
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL EXTRACTABLE TPH		**SW8015M**				Analyst: ADW-
Diesel Range Organics (C10-C28)	ND	20		mg/Kg	1	5/9/2006
Oil Range Organics (C28-C35)	ND	50		mg/Kg	1	5/9/2006
Total Petroleum Hydrocarbons	ND	20		mg/Kg	1	5/9/2006
Surr: n-Octacosane	102	34.8-139		%REC	1	5/9/2006

Southwest Analytical, Inc.

Date: *11-May-06*

CLIENT: Bechtel Nevada
Lab Order: L0605136
Project: SDG #V2680
Lab ID: L0605136-003

Client Sample ID: 251601-WC2D
Collection Date: 5/8/2006 11:26:00 AM
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL EXTRACTABLE TPH		**SW8015M**				Analyst: **ADW-**
Diesel Range Organics (C10-C28)	ND	20		mg/Kg	1	5/9/2006
Oil Range Organics (C28-C35)	ND	50		mg/Kg	1	5/9/2006
Total Petroleum Hydrocarbons	ND	20		mg/Kg	1	5/9/2006
Surr: n-Octacosane	85.1	34.8-139		%REC	1	5/9/2006

Southwest Analytical, Inc.

Earth ▲ Water ▲ Air

CLIENT: Bechtel Nevada
Work Order: L0605136
Project: SDG #V2680

ANALYTICAL QC SUMMARY REPORT

8015FFP_S

Test Method: SW 846 Rev. III

Sample ID: 060509TPHS-MB	SampType: MBLK	TestCode: 8015FFP_S	Units: mg/Kg	Prep Date: 5/9/2006	Run ID: L_FID-2_060509A
	Batch ID: 8005	TestNo: SW8015M		Analysis Date: 5/9/2006	SeqNo: 262571

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (C10-C28)	ND	20									
Oil Range Organics (C28-C35)	ND	50									
Total Petroleum Hydrocarbons	ND	20									
Surr: n-Octacosane	2.498	0.010	3.328	0	75.1	34.8	139	0	0		

Sample ID: 060509TPHS-LCS	SampType: LCS	TestCode: 8015FFP_S	Units: mg/Kg	Prep Date: 5/9/2006	Run ID: L_FID-2_060509A
	Batch ID: 8005	TestNo: SW8015M		Analysis Date: 5/9/2006	SeqNo: 262572

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (C10-C28)	117.1	20	166.4	0	70.4	41.8	107	0	0		
Surr: n-Octacosane	2.629	0.010	3.324	0	79.1	41.1	113	0	0		

Sample ID: 060509TPHS-LCSD	SampType: LCSD	TestCode: 8015FFP_S	Units: mg/Kg	Prep Date: 5/9/2006	Run ID: L_FID-2_060509A
	Batch ID: 8005	TestNo: SW8015M		Analysis Date: 5/9/2006	SeqNo: 262573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (C10-C28)	130.1	20	166.5	0	78.1	41.8	107	117.1	10.5	25	
Surr: n-Octacosane	2.897	0.010	3.327	0	87.1	41.1	113	0	0	0	

Sample ID: L0605103-01AMS	SampType: MS	TestCode: 8015FFP_S	Units: mg/Kg	Prep Date: 5/9/2006	Run ID: L_FID-2_060509A
	Batch ID: 8005	TestNo: SW8015M		Analysis Date: 5/9/2006	SeqNo: 262575

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

ND - Not Detected at the Reporting Limit
J1 - MS or MSD outside acceptance limits. LCS acceptable.
J - This concentration is considered an estimate due to LCS failure.
C - Unspiked sample >5 times the amount spiked
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Date: *11-May-06*

CLIENT: Bechtel Nevada
Work Order: L0605136
Project: SDG #V2680

ANALYTICAL QC SUMMARY REPORT

8015FFP_S

Test Method: SW 846 Rev. III

Sample ID: L0605103-001AMS | SampType: MS | TestCode: 8015FFP_S | Units: mg/Kg | Prep Date: 5/9/2006 | Run ID: L_FID-2_060509A
Batch ID: 8005 | TestNo: SW8015M | Analysis Date: 5/9/2006 | SeqNo: 262575

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (C10-C28)	133	20	166.9	0	79.7	46.8	103	0	0		
Surr: n-Octacosane	2.87	0.010	3.334	0	86.1	34.8	139	0	0		

Sample ID: L0605103-001AMSD | SampType: MSD | TestCode: 8015FFP_S | Units: mg/Kg | Prep Date: 5/9/2006 | Run ID: L_FID-2_060509A
Batch ID: 8005 | TestNo: SW8015M | Analysis Date: 5/9/2006 | SeqNo: 262576

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (C10-C28)	90.98	20	166.4	0	54.7	46.8	103	133	37.6	25	M7
Surr: n-Octacosane	2.363	0.010	3.324	0	71.1	34.8	139	0	0	0	

Qualifiers:

ND - Not Detected at the Reporting Limit
H - MS or MSD outside acceptance limits. LCS acceptable.
J - This concentration is considered an estimate due to LCS Failure.
C - Unspiked sample >5 times the amount spiked
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Date: 11-May-06

Sample Delivery Group V2709

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Desert Research Institute
ANALYTICAL LABORATORY

SERVICES REQUEST AND CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT / CLIENT INFORMATION

ect: CAU168 | BN Org#: B502

rge Number: COC ~~5B1A09D5~~ 5B1A09D5

ect Manager: Jeffrey Smith

ne: 295-7775 | Fax: 295-7761 | M/S: NTS306

REPORT & TURNAROUND INFORMATION

Send Report to: David Nachtn

Phone: 295-55771 | Fax: 295-6671 | M/S: NTS306

Turnaround: ( ) Standard – 14 days IH, 28 days Non-rad Env, 45 days Rad Env
( ) RUSH Preliminary by: _____ (IH)
__1 __2 __7 __14 (non-Rad Env)
__1 __7 X 14 __28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAU 168 CAS 25-23-18
The samples submitted contain (check);
( ) **Hazardous** - *(list)* _____
( ) **Radioactive** - *(list)* _____
X **Unknown** contamination. If known, identify contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

g: _____ (IH) V2709 (Non-Rad Env) _____ (Rad Env)
mples submitted are associated with a signed Project SOW. (X) YES ( ) NO
lyses entered here agree with the SOW. (X) YES ( ) NO ( ) N/A
ot, identify the variation: _____
contract Lab(s) used for this work: LIONVILLE

DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres – Analysis eg. HCl - VOCs	Pay Item, Analysis, Method: TPH-Diesel
252318-2A	July 12	1340	Soil	1	250 ml		X	X	Cool 4C	X
252318-2B	July 12	1345	Soil	1	250 ml				Cool 4C	X
252318-2C	July 12	1350	Soil	1	250 ml				Cool 4C	X
252318-2D	July 12	1355	Soil	1	250 ml				Cool 4C	X
252318-2E	July 12	1400	Soil	1	250 ml				Cool 4C	X
			Fast	Liq						

Pay Item, Analysis, Method: 10.21

STODY TRANSFER

bled/Relinquished (print)	Signature	DATE / TIME	Received by (print)	Signature	DATE / TIME
win Campbell	/s/: Signature on File	7/12/06 1700	ER Sample Refrig	NA	7/12/06 1700
ER Sample Refrig	NA V	7/18/06 ~~0900~~ 0800	Kevin Campbell	/s/: Signature on File	7/18/06 ~~1400~~ 0806
win Campbell	/s/: Signature on File	7/18/06 10:28	C.D. CASTANEDA	/s/: Signature on File	7/18/06 10:28
D. CASTANEDA	/s/: Signature on File	7/18/06@1300	Fed Ex #	790994080470	7/18/06@1300

2) Fed Ex — 7-20-06 @ 0955 — Retention Code: ENV 5.c(1) — Victor Hernandez — /s/: Signature on File — 7-20-06 @ 095

BN-0732

Bechtel Nevada

ANALYTICAL LABORATORY

SERVICES REQUEST AND CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT / CLIENT INFORMATION

ect: CAI 1684 | BN Org#: B502

rge Number: 5B1A0905

ect Manager: Jeffrey Smith

e: 295-7775 | Fax: 295-7761 | M/S: NTS306

REPORT & TURNAROUND INFORMATION

Send Report to: David Nachtn

Phone: 295-55771 | Fax: 295-6671 | M/S: NTS306

Turnaround: ( ) Standard – 14 days IH, 28 days Non-rad Env, 45 days Rad Env
( ) RUSH Preliminary by: _____ (IH)
__1 __2 __7 __14 (non-Rad Env)
__1 __7 X 14 __28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAU 168 CAS 25-23-18

The samples submitted contain (check);
( ) **Hazardous** - *(list)* _____
( ) **Radioactive** - *(list)* _____
(X) **Unknown** contamination. If known, identify contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

_____ (IH) V2709 (Non-Rad Env) _____ (Rad Env)

ples submitted are associated with a signed Project SOW. (X) YES ( ) NO

lyses entered here agree with the SOW. (X) YES ( ) NO ( ) N/A

ot, identify the variation: _____

contract Lab(s) used for this work: LIONVILLE

DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres – Analysis eg. HCl - VOCs	Pay Item, Analysis, Method: TPH – Diesel	Pay Item, Analysis, Method: SVOC						
										10.2	7.2						
252318-TPH1A	July 17	1406	Soil	1	250 ml		X	X	Cool 4C	X							
252318- TPH1B	July 17	1405	Soil	1	250 ml				Cool 4C	X							
252318- TPH1C	July 17	1410	Soil	1	250 ml				Cool 4C	X							
252318-SVOC1	July 17	1415	Soil	1	250 ml				Cool 4C		X						
252318-SVOC2	July 17	1420	Soil	1	250 ml				Cool 4C		X						
252318-SVOC3	July 17	1425	Soil	1	250 ml				Cool 4C		X						
252318-SVOC4	July 17	1430	Soil	1	250 ml				Cool 4C		X						
252318-SVOC5	July 17	1435	Soil	1	250 ml				Cool 4C		X						
			Last		Time												

STODY TRANSFER

led/Relinquished (print)	Signature	DATE / TIME	Received by (print)	Signature	DATE / TIME
win Campbell	/s/: Signature on File	7/17/06 1700	B'ER Sample Re	rvator	7/17/06 1700
ER Sample	Refrigerator	7/18/06 0830	Kevin Campbell	/s/: Signature on File	7/18/06 0830
vin Campbell	/s/: Signature on File	7/18/06 1027	C.J.CASTANEDA	/s/: Signature on File	7/18/06 1027
J.CASTANEDA	/s/: Signature on File	7/18/06@1300	Fed Ex #790994080470		7/18/06@1300
Fed Ex		7-20-06 @ 0955	Vicki Hernandez	/s/: Signature on File	7/20/06 @ 0955

Retention Code: ENV 5.c(1)

BN-0732

DIESEL RANGE ORGANICS BY GC

RFW Batch Number: 0607L539 Client: NSTEC V2709 Report Date: 08/04/06 10:21

Work Order: 60052001001 Page: 1

Sample Information	Cust ID:	168252318-TP H1A	168252318-TP H1A	168252318-TP H1A	168252318-TP H1B	168252318-TP H1C	168252318-2A
	RFW#:	001	001 MS	001 MSD	002	003	009
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
p-Terphenyl		87 %	92 %	87 %	83 %	88 %	92 %
Diesel Range Organics		4600	78 %	73 %	7900	5800	3430 U

Sample Information	Cust ID:	168252318-2A	168252318-2A	168252318-2B	168252318-2C	168252318-2D	168252318-2E
	RFW#:	009 MS	009 MSD	010	011	012	013
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
p-Terphenyl		82 %	85 %	112 %	104 %	91 %	56 %
Diesel Range Organics		90 %	84 %	3440 U	3500	3430 U	3420 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

DIESEL RANGE ORGANICS BY GC

	Cust ID:	BLK	BLK BS
Sample Information	RFW#:	06LE0588-MB1	06LE0588-MB1
	Matrix:	SOIL	SOIL
	D.F.:	1.00	1.00
	Units:	ug/kg	ug/kg
p-Terphenyl		86 %	83 %
Diesel Range Organics		3330 U	82 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

2B

SOIL VOLATILE SURROGATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709

RFW Lot No.: 0607L539

	CLIENT SAMPLE NO.	S1 ( )#	S2 ( )#	S3 ( )#	OTHER	TOT OUT
01	168252318-TPH1A	87				0
02	168252318-TPH1AMS	92				0
03	168252318-TPH1AMSD	87				0
04	168252318-TPH1B	83				0
05	168252318-TPH1C	88				0
06	168252318-2A	92				0
07	168252318-2AMS	82				0
08	168252318-2AMSD	85				0
09	168252318-2B	112				0
10	168252318-2C	104				0
11	168252318-2D	91				0
12	168252318-2E	56				0
13	BLKLE0588-MB1	86				0
14	BLKLE0588-MB1 BS	83				0

QC LIMITS

S1 ( ) = p-Terphenyl (35-130)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

FORM II VOA-2

01/89 Rev.

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709 RFW Lot No.: 0607L539-001

MATRIX Spike - Sample No.: 168252318-TPH1A Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Diesel Range Organics	50700	0	44000	78	30 -130

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
Diesel Range Organics	50700	41500	73	6	99	30 -130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709 RFW Lot No.: 0607L539-009

MATRIX Spike - Sample No.: 168252318-2A Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Diesel Range Organics	51500	0	46200	90	30 -130

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
Diesel Range Organics	51500	43400	84	6	99	30 -130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

3B

SOIL VOLATILE BLANK SPIKE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709 RFW Lot No.: 0607L539

BLANK Spike - Sample No.: BLKLE0588-MB1 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	BS CONCENTRATION UG/KG	BS % REC #	QC LIMITS REC
Diesel Range Organics	50000	0	41000	82	30 -130

Column to be used to flag recovery value with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

4D

METHOD BLANK SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 60052-001-001-0001-00

Case No.: NSTEC V2709

Lab Sample ID: 06LE0588-MB1 Lab File ID: BLKFILE1.01

Matrix:(Soil/Water) SOIL Level:(low/med) LOW

Date Extracted: 07/21/06 Extraction:(SepF/Cont/Sonc) ****

Date Analyzed (1): 08/03/06 Time Analyzed (1): ____

Instrument ID (1): 10 GC Column ID (1): _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1
01	168252318-TPH1A	0607L539-001	08/03/06
02	168252318-TPH1AMS	0607L539-001S	08/03/06
03	168252318-TPH1AMSD	0607L539-001T	08/03/06
04	168252318-TPH1B	0607L539-002	08/03/06
05	168252318-TPH1C	0607L539-003	08/03/06
06	168252318-2A	0607L539-009	08/03/06
07	168252318-2AMS	0607L539-009S	08/03/06
08	168252318-2AMSD	0607L539-009T	08/03/06
09	168252318-2B	0607L539-010	08/03/06
10	168252318-2C	0607L539-011	08/03/06
11	168252318-2D	0607L539-012	08/03/06
12	168252318-2E	0607L539-013	08/03/06
13	BLKLE0588-MB1 BS	06LE0588-MB1S	08/03/06

COMMENTS:

FORM IV

Sample Information	Cust ID:	168252318-SV OC1	168252318-SV OC2	168252318-SV OC3	168252318-SV OC4	168252318-SV OC5	SBLKAN
	RFW#:	004	005	006	007	008	06LE0596-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate Recovery	Nitrobenzene-d5	81 %	72 %	76 %	77 %	77 %	76 %
	2-Fluorobiphenyl	75 %	71 %	74 %	76 %	74 %	77 %
	Terphenyl-d14	76 %	74 %	96 %	98 %	73 %	78 %
	Phenol-d5	84 %	75 %	84 %	84 %	81 %	81 %
	2-Fluorophenol	83 %	79 %	82 %	83 %	82 %	77 %
	2,4,6-Tribromophenol	61 %	57 %	81 %	75 %	72 %	24 %
Phenol		340 U	340 U	340 U	340 U	340 U	330 U
bis(2-Chloroethyl)ether		340 U	340 U	340 U	340 U	340 U	330 U
2-Chlorophenol		340 U	340 U	340 U	340 U	340 U	330 U
1,3-Dichlorobenzene		340 U	340 U	340 U	340 U	340 U	330 U
1,4-Dichlorobenzene		340 U	340 U	340 U	340 U	340 U	330 U
1,2-Dichlorobenzene		340 U	340 U	340 U	340 U	340 U	330 U
2-Methylphenol		340 U	340 U	340 U	340 U	340 U	330 U
2,2'-oxybis(1-Chloropropane)		340 U	340 U	340 U	340 U	340 U	330 U
4-Methylphenol		340 U	340 U	340 U	340 U	340 U	330 U
N-Nitroso-di-n-propylamine		340 U	340 U	340 U	340 U	340 U	330 U
Hexachloroethane		340 U	340 U	340 U	340 U	340 U	330 U
Nitrobenzene		340 U	340 U	340 U	340 U	340 U	330 U
Isophorone		340 U	340 U	340 U	340 U	340 U	330 U
2-Nitrophenol		340 U	340 U	340 U	340 U	340 U	330 U
2,4-Dimethylphenol		340 U	340 U	340 U	340 U	340 U	330 U
bis(2-Chloroethoxy)methane		340 U	340 U	340 U	340 U	340 U	330 U
2,4-Dichlorophenol		340 U	340 U	340 U	340 U	340 U	330 U
1,2,4-Trichlorobenzene		340 U	340 U	340 U	340 U	340 U	330 U
Naphthalene		340 U	340 U	340 U	340 U	340 U	330 U
4-Chloroaniline		340 U	340 U	340 U	340 U	340 U	330 U
Hexachlorobutadiene		340 U	340 U	340 U	340 U	340 U	330 U
4-Chloro-3-methylphenol		340 U	340 U	340 U	340 U	340 U	330 U
2-Methylnaphthalene		340 U	340 U	340 U	340 U	340 U	330 U
Hexachlorocyclopentadiene		340 U	340 U	340 U	340 U	340 U	330 U
2,4,6-Trichlorophenol		340 U	340 U	340 U	340 U	340 U	330 U
2,4,5-Trichlorophenol		840 U	850 U	840 U	850 U	850 U	830 U

*= Outside of EPA CLP QC limits.

000000015

Case ID:	168252318-SV	168252318-SV	168252318-SV	168252318-SV	168252318-SV	SBLKAN
	OC1	OC2	OC3	OC4	OC5	
RFW#:	004	005	006	007	008	06LE0596-MB1
2-Chloronaphthalene	340 U	340 U	340 U	340 U	340 U	330 U
2-Nitroaniline	840 U	850 U	840 U	850 U	850 U	830 U
Dimethylphthalate	340 U	340 U	340 U	340 U	340 U	330 U
Acenaphthylene	340 U	340 U	340 U	340 U	340 U	330 U
2,6-Dinitrotoluene	340 U	340 U	340 U	340 U	340 U	330 U
3-Nitroaniline	840 U	850 U	840 U	850 U	850 U	830 U
Acenaphthene	340 U	340 U	340 U	340 U	29 J	330 U
2,4-Dinitrophenol	840 U	850 U	840 U	850 U	850 U	830 U
4-Nitrophenol	840 U	850 U	840 U	850 U	850 U	830 U
Dibenzofuran	340 U	340 U	20 J	340 U	34 J	330 U
2,4-Dinitrotoluene	340 U	340 U	340 U	340 U	340 U	330 U
Diethylphthalate	340 U	340 U	340 U	340 U	340 U	330 U
4-Chlorophenyl-phenylether	340 U	340 U	340 U	340 U	340 U	330 U
Fluorene	340 U	340 U	340 U	340 U	49 J	330 U
4-Nitroaniline	840 U	850 U	840 U	850 U	850 U	830 U
4,6-Dinitro-2-methylphenol	840 U	850 U	840 U	850 U	850 U	830 U
N-Nitrosodiphenylamine (1)	340 U	340 U	340 U	340 U	340 U	330 U
4-Bromophenyl-phenylether	340 U	340 U	340 U	340 U	340 U	330 U
Hexachlorobenzene	340 U	340 U	340 U	340 U	340 U	330 U
Pentachlorophenol	840 U	850 U	840 U	850 U	850 U	830 U
Phenanthrene	45 J	39 J	59 J	340 U	260 J	330 U
Anthracene	340 U	340 U	340 U	340 U	120 J	330 U
Carbazole	340 U	340 U	340 U	340 U	48 J	330 U
Di-n-butylphthalate	46 J	26 J	21 J	58 J	43 J	330 U
Fluoranthene	31 J	52 J	42 J	21 J	1300	330 U
Pyrene	340 U	29 J	32 J	31 J	1000	330 U
Butylbenzylphthalate	340 U	340 U	340 U	340 U	340 U	330 U
3,3'-Dichlorobenzidine	340 U	340 U	340 U	340 U	340 U	330 U
Benzo(a)anthracene	340 U	340 U	340 U	340 U	460	330 U
Chrysene	340 U	340 U	340 U	340 U	510	330 U
bis(2-Ethylhexyl)phthalate	30 J	49 J	48 J	39 J	34 J	330 U
Di-n-octyl phthalate	340 U	340 U	340 U	340 U	340 U	330 U
Benzo(b)fluoranthene	340 U	340 U	340 U	340 U	260 J	330 U
Benzo(k)fluoranthene	340 U	340 U	340 U	340 U	240 J	330 U
Benzo(a)pyrene	340 U	340 U	340 U	340 U	170 J	330 U
Indeno(1,2,3-cd)pyrene	340 U	340 U	340 U	340 U	73 J	330 U
Dibenz(a,h)anthracene	340 U	340 U	340 U	340 U	50 J	330 U
Benzo(g,h,i)perylene	340 U	340 U	340 U	18 J	110 J	330 U

(1) - Cannot be separated from Diphenylamine. *= Outside of EPA CLP QC limits.

000000017

Cust ID: SBLKAN BS

Sample Information

RFW#: 06LE0596-MB1
Matrix: SOIL
D.F.: 1.00
Units: ug/Kg

Surrogate Recovery	Nitrobenzene-d5	75	%
	2-Fluorobiphenyl	77	%
	Terphenyl-d14	95	%
	Phenol-d5	83	%
	2-Fluorophenol	78	%
	2,4,6-Tribromophenol	84	%

Phenol	78	%
bis(2-Chloroethyl)ether	81	%
2-Chlorophenol	78	%
1,3-Dichlorobenzene	74	%
1,4-Dichlorobenzene	73	%
1,2-Dichlorobenzene	77	%
2-Methylphenol	76	%
2,2'-oxybis(1-Chloropropane)	80	%
4-Methylphenol	76	%
N-Nitroso-di-n-propylamine	83	%
Hexachloroethane	72	%
Nitrobenzene	72	%
Isophorone	83	%
2-Nitrophenol	72	%
2,4-Dimethylphenol	57	%
bis(2-Chloroethoxy)methane	78	%
2,4-Dichlorophenol	74	%
1,2,4-Trichlorobenzene	71	%
Naphthalene	73	%
4-Chloroaniline	79	%
Hexachlorobutadiene	75	%
4-Chloro-3-methylphenol	75	%
2-Methylnaphthalene	77	%
Hexachlorocyclopentadiene	64	%
2,4,6-Trichlorophenol	71	%
2,4,5-Trichlorophenol	74	%

*= Outside of EPA CLP QC limits.

RFW#: 06LE0596-MB1

2-Chloronaphthalene	75	%
2-Nitroaniline	85	%
Dimethylphthalate	81	%
Acenaphthylene	82	%
2,6-Dinitrotoluene	83	%
3-Nitroaniline	94	%
Acenaphthene	78	%
2,4-Dinitrophenol	32	%
4-Nitrophenol	78	%
Dibenzofuran	79	%
2,4-Dinitrotoluene	88	%
Diethylphthalate	84	%
4-Chlorophenyl-phenylether	78	%
Fluorene	80	%
4-Nitroaniline	89	%
4,6-Dinitro-2-methylphenol	70	%
N-Nitrosodiphenylamine (1)	67	%
4-Bromophenyl-phenylether	71	%
Hexachlorobenzene	81	%
Pentachlorophenol	73	%
Phenanthrene	82	%
Anthracene	86	%
Carbazole	86	%
Di-n-butylphthalate	87	%
Fluoranthene	85	%
Pyrene	93	%
Butylbenzylphthalate	93	%
3,3'-Dichlorobenzidine	87	%
Benzo(a)anthracene	84	%
Chrysene	83	%
bis(2-Ethylhexyl)phthalate	98	%
Di-n-octyl phthalate	105	%
Benzo(b)fluoranthene	90	%
Benzo(k)fluoranthene	85	%
Benzo(a)pyrene	88	%
Indeno(1,2,3-cd)pyrene	84	%
Dibenz(a,h)anthracene	82	%
Benzo(g,h,i)perylene	83	%

(1) - Cannot be separated from Diphenylamine. *= Outside of EPA CLP QC limits.

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709

RFW Lot No.: 0607L539

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	168252318-SVOC1	81	75	76	84	83	61		0
02	168252318-SVOC2	72	71	74	75	79	57		0
03	168252318-SVOC3	76	74	96	84	82	81		0
04	168252318-SVOC4	77	76	98	84	83	75		0
05	168252318-SVOC5	77	74	73	81	82	72		0
06	SBLKANLE0596-MB1	76	77	78	81	77	24		0
07	SBLKANLE0596-MB1 BS	75	77	95	83	78	84		0

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(23-120)
S2 (FBP) = 2-Fluorobiphenyl	(30-115)
S3 (TPH) = Terphenyl-d14	(18-137)
S4 (PHL) = Phenol-d5	(24-113)
S5 (2FP) = 2-Fluorophenol	(25-121)
S6 (TBP) = 2,4,6-Tribromophenol	(19-122)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

3D

SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709 RFW Lot No.: 0607L539

BLANK Spike - Sample No.: SBLKANLE0596-MB1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	BS CONCENTRATION UG/KG	BS % REC #	QC LIMITS REC
Phenol	2500	0	1960	78	50 -130
bis(2-Chloroethyl)ether	2500	0	2020	81	50 -130
2-Chlorophenol	2500	0	1940	78	50 -130
1,3-Dichlorobenzene	2500	0	1850	74	50 -110
1,4-Dichlorobenzene	2500	0	1820	73	50 -120
1,2-Dichlorobenzene	2500	0	1920	77	50 -110
2-Methylphenol	2500	0	1900	76	60 -120
2,2'-oxybis(1-Chloropropane)	2500	0	1990	80	50 -120
4-Methylphenol	2500	0	1910	76	60 -130
N-Nitroso-di-n-propylamine	2500	0	2080	83	50 -130
Hexachloroethane	2500	0	1790	72	50 -110
Nitrobenzene	2500	0	1810	72	50 -110
Isophorone	2500	0	2070	83	60 -120
2-Nitrophenol	2500	0	1800	72	50 -130
2,4-Dimethylphenol	2500	0	1420	57	50 -120
bis(2-Chloroethoxy)methane	2500	0	1950	78	40 -140
2,4-Dichlorophenol	2500	0	1850	74	50 -130
1,2,4-Trichlorobenzene	2500	0	1760	71	60 -120
Naphthalene	2500	0	1820	73	40 -130
4-Chloroaniline	2500	0	1980	79	20 -120
Hexachlorobutadiene	2500	0	1880	75	40 -130
4-Chloro-3-methylphenol	2500	0	1860	75	60 -130
2-Methylnaphthalene	2500	0	1940	77	60 -100
Hexachlorocyclopentadiene	2500	0	1590	64	20 -100
2,4,6-Trichlorophenol	2500	0	1790	71	10 -140
2,4,5-Trichlorophenol	2500	0	1860	74	40 -140
2-Chloronaphthalene	2500	0	1860	75	50 -130
2-Nitroaniline	2500	0	2130	85	60 -130
Dimethylphthalate	2500	0	2030	81	50 -140
Acenaphthylene	2500	0	2050	82	60 -130
2,6-Dinitrotoluene	2500	0	2080	83	60 -110
3-Nitroaniline	2500	0	2340	94	50 -140
Acenaphthene	2500	0	1960	78	40 -130
2,4-Dinitrophenol	2500	0	812	32	20 -120
4-Nitrophenol	2500	0	1940	78	40 -140
Dibenzofuran	2500	0	1970	79	60 -130
2,4-Dinitrotoluene	2500	0	2200	88	60 -130
Diethylphthalate	2500	0	2100	84	50 -130
4-Chlorophenyl-phenylether	2500	0	1940	78	50 -120
Fluorene	2500	0	2000	80	60 -130
4-Nitroaniline	2500	0	2220	89	50 -120
4,6-Dinitro-2-methylphenol	2500	0	1760	70	40 -140
N-Nitrosodiphenylamine (1)	2500	0	1680	67	50 -130
4-Bromophenyl-phenylether	2500	0	1790	71	50 -120

Pentachlorophenol	2500	0	1810	73	30	-130
Phenanthrene	2500	0	2050	82	60	-130
Anthracene	2500	0	2140	86	60	-130
Carbazole	2500	0	2160	86	60	-120
Di-n-butylphthalate	2500	0	2170	87	40	-150
Fluoranthene	2500	0	2140	85	50	-130
Pyrene	2500	0	2320	93	50	-150
Butylbenzylphthalate	2500	0	2330	93	50	-150
3,3'-Dichlorobenzidine	2500	0	2170	87	20	-140
Benzo(a)anthracene	2500	0	2100	84	50	-130
Chrysene	2500	0	2080	83	50	-130
bis(2-Ethylhexyl)phthalate	2500	0	2450	98	50	-150
Di-n-octyl phthalate	2500	0	2630	105	50	-150
Benzo(b)fluoranthene	2500	0	2250	90	60	-130
Benzo(k)fluoranthene	2500	0	2120	85	50	-130
Benzo(a)pyrene	2500	0	2200	88	50	-130
Indeno(1,2,3-cd)pyrene	2500	0	2100	84	60	-140
Dibenz(a,h)anthracene	2500	0	2050	82	50	-140
Benzo(g,h,i)perylene	2500	0	2070	83	50	-140

Column to be used to flag recovery value with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 64 outside limits

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709

Lab File ID: D080111 Lab Sample ID: 06LE0596-MB1

Date Extracted: 07/24/06 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/01/06 Time Analyzed: 1926

Matrix: (Soil/Water) SOIL Level: (low/med) LOW

Instrument ID: 5972d

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLKANLE0596-MB1 BS	06LE0596-MB1S	D080110	08/01/06
02	168252318-SVOC1	0607L539-004	N080208	08/02/06
03	168252318-SVOC2	0607L539-005	N080209	08/02/06
04	168252318-SVOC3	0607L539-006	N080210	08/02/06
05	168252318-SVOC4	0607L539-007	N080211	08/02/06
06	168252318-SVOC5	0607L539-008	N080212	08/02/06

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709

Lab File ID: D080101 DFTPP Injection Date: 08/01/06

Instrument ID: 5972d DFTPP Injection Time: 1027

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.0
68	Less than 2.0% of mass 69	0.0(0.0)1
69	Mass 69 relative abundance	53.5
70	Less than 2.0% of mass 69	0.1(0.24)1
127	40.0 - 60.0% of mass 198	42.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	29.1
365	Greater than 1.00% of mass 198	3.84
441	Present, but less than mass 443	31.1
442	Greater than 40.0% of mass 198	209.6
443	17.0 - 23.0% of mass 442	41.2(19.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	D080102	08/01/06	1123
02	SSTD20	SSTD20	D080103	08/01/06	1233
03	SSTD80	SSTD80	D080104	08/01/06	1325
04	SSTD120	SSTD120	D080105	08/01/06	1416
05	SSTD160	SSTD160	D080106	08/01/06	1507
06	SBLKANLE0596-MB1 BS	06LE0596-MB1S	D080110	08/01/06	1834
07	SBLKANLE0596-MB1	06LE0596-MB1	D080111	08/01/06	1926
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709

Lab File ID: N080201 DFTPP Injection Date: 08/02/06

Instrument ID: 5972n DFTPP Injection Time: 1215

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.2
68	Less than 2.0% of mass 69	0.0(0.0)1
69	Mass 69 relative abundance	45.8
70	Less than 2.0% of mass 69	0.3(0.61)1
127	40.0 - 60.0% of mass 198	41.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	20.2
365	Greater than 1.00% of mass 198	1.34
441	Present, but less than mass 443	6.4
442	Greater than 40.0% of mass 198	40.8
443	17.0 - 23.0% of mass 442	8.3(20.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	N080202	08/02/06	1238
02	SSTD20	SSTD20	N080203	08/02/06	1325
03	SSTD80	SSTD80	N080204	08/02/06	1408
04	SSTD120	SSTD120	N080205	08/02/06	1452
05	SSTD160	SSTD160	N080206	08/02/06	1535
06	168252318-SVOC1	0607L539-004	N080208	08/02/06	1702
07	168252318-SVOC2	0607L539-005	N080209	08/02/06	1745
08	168252318-SVOC3	0607L539-006	N080210	08/02/06	1829
09	168252318-SVOC4	0607L539-007	N080211	08/02/06	1912
10	168252318-SVOC5	0607L539-008	N080212	08/02/06	1955
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709 RFW Lot: 0607L539

Lab File ID (Standard): D080102 Date Analyzed: 08/01/06

Instrument ID: 5972d Time Analyzed: 1123

		IS1(DCB) AREA	#	RT	IS2(NPT) AREA	#	RT	IS3(ANT) AREA	#	RT
	12 HOUR STD	60393		10.679	212734		13.754	104759		18.172
	UPPER LIMIT	120786		11.18	425468		14.25	209518		18.67
	LOWER LIMIT	30197		10.18	106367		13.25	52380		17.67
	CLIENT SAMPLE NO.									
01	SBLKANLE0596-MB1	87305		10.680	289767		13.755	132603		18.182
02	SBLKANLE0596-MB1 BS	87321		10.684	315726		13.760	144898		18.187

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

8C

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709 RFW Lot: 0607L539

Lab File ID (Standard): D080102 Date Analyzed: 08/01/06

Instrument ID: 5972d Time Analyzed: 1123

	IS4(PHN) AREA	#	RT	IS5(CRY) AREA	#	RT	IS6(PRY) AREA	#	RT
	12 HOUR STD		158388	21.170		130491	26.622		110522	32.755
	UPPER LIMIT		316776	21.67		260982	27.12		221044	33.26
	LOWER LIMIT		79194	20.67		65246	26.12		55261	32.26
	CLIENT SAMPLE NO.									
01	SBLKANLE0596-MB1		185590	21.180		184688	26.623		180997	32.765
02	SBLKANLE0596-MB1 BS		215429	21.176		165924	26.637		132909	32.761

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709 RFW Lot: 0607L539

Lab File ID (Standard): N080202 Date Analyzed: 08/02/06

Instrument ID: 5972n Time Analyzed: 1238

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	230907	9.040	685550	12.020	286581	16.364
	UPPER LIMIT	461814	9.54	1371101	12.52	573162	16.86
	LOWER LIMIT	115454	8.54	342775	11.52	143291	15.86
	CLIENT SAMPLE NO.						
01	168252318-SVOC1	128081	9.036	385450	12.016	182666	16.351
02	168252318-SVOC2	160173	9.041	458194	12.012	204465	16.348
03	168252318-SVOC3	300028	9.040	935153	12.011	416996	16.356
04	168252318-SVOC4	345417	9.042	1068125	12.013	467029	16.349
05	168252318-SVOC5	144393	9.042	423222	12.013	189847	16.349

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

8C

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2709 RFW Lot: 0607L539

Lab File ID (Standard): N080202 Date Analyzed: 08/02/06

Instrument ID: 5972n Time Analyzed: 1238

		IS4(PHN) AREA	#	RT	IS5(CRY) AREA	#	RT	IS6(PRY) AREA	#	RT
	12 HOUR STD	368535		19.758	245396		24.301	236932		28.499
	UPPER LIMIT	737070		20.26	490792		24.80	473864		29.00
	LOWER LIMIT	184268		19.26	122698		23.80	118466		28.00
	CLIENT SAMPLE NO.									
01	168252318-SVOC1	247153		19.754	201625		24.288	218970		28.495
02	168252318-SVOC2	262775		19.751	191734		24.293	203038		28.491
03	168252318-SVOC3	534980		19.750	320253		24.293	290156		28.490
04	168252318-SVOC4	592169		19.752	341454		24.294	308401		28.492
05	168252318-SVOC5	263809		19.752	208548		24.295	215746		28.483

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

Sample Delivery Group V2718

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Bechtel Nevada

SERVICES REQUEST AND CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT / CLIENT INFORMATION

ct: CAI 1684 | BN Org#: B502

e Number: 5B1A09D5

t Manager: Jeffrey Smith

: 295-7775 | Fax: 295-7761 | M/S: NTS306

REPORT & TURNAROUND INFORMATION

Send Report to: David Nachtn

Phone: 295-55771 | Fax: 295-6671 | M/S: NTS306

Turnaround: ( ) Standard – 14 days IH, 28 days Non-rad Env, 45 days Rad Env
( ) RUSH Preliminary by: _____ (IH)
__1 __2 __7 __14 (non-Rad Env)
__1 __7 X 14 __28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAU 168 CAS 25-23-18

The samples submitted contain (check);
( ) **Hazardous** - *(list)* _____
( ) **Radioactive** - *(list)* _____
X **Unknown** contamination. If known, identify contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

_____ (IH) V2718 (Non-Rad Env) _____ (Rad Env)

bles submitted are associated with a signed Project SOW. (X) YES ( ) NO

yses entered here agree with the SOW. (X) YES ( ) NO ( ) N/A

t, identify the variation: _____

ontract Lab(s) used for this work: LIONVILLE

SCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres – Analysis eg. HCl - VOCs	Pay Item, Analysis, Method: PCBs
52318-PCB1	July 20	0940	Soil	1	250 ml		X	X	Cool 4C	X
52318- PCB2	July 20	0945	Soil	1	250 ml				Cool 4C	X
52318- PCB3	July 20	0950	Soil	1	250 ml				Cool 4C	X
52318- PCB4	July 20	0955	Soil	1	250 ml				Cool 4C	X
52318- PCB5	July 20	1000	Soil	1	250 ml				Cool 4C	X
52318- PCB6	July 20	1005	Soil	1	250 ml				Cool 4C	X
			Lost / Lunc							

Pay Item, Analysis, Method: 8.1

TODY TRANSFER

led/Relinquished (print)	Signature	DATE / TIME	Received by (print)	Signature	DATE / TIME
h Kloya	/s/: Signature on File	7/20 1645	Relee	N/A	7/20/1645
ER Sample Refrig.		7/25 07:30	Kevin Campbell	/s/: Signature on File	7/25 0730
vin Campbell	/s/: Signature on File	7/25/06 @ 0815	CJ CASTANEDA	/s/: Signature on File	7/25/06 @ 0815
CASTANEDA	/s/: Signature on File	7/25/06 @ 1300	Fed Ex	/s/: Signature on File	7/25/06 @ 1300
) Fed Ex		7/26/06 @ 1015	VICTOR HERNANDEZ	/s/: Signature on File	7/26/06 1015

Retention Code: ENV 5.c(1)

BN-0732

PCBs by GC

RFW Batch Number: 0607L571 Client: NSTEC V2718 Report Date: 08/08/06 12:49

Work Order: 60052001001 Page: 1

0000000012

Sample Information	Cust ID:	168252318-PC B1	168252318-PC B1	168252318-PC B1	168252318-PC B2	168252318-PC B3	168252318-PC B4
	RFW#:	001	001 MS	001 MSD	002	003	004
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Surrogate: Tetrachloro-m-xylene		90 %	92 %	82 %	98 %	84 %	101 %
Decachlorobiphenyl		108 %	108 %	101 %	114 %	103 %	114 %
Aroclor-1016		14 U	77 %	77 %	15 U	14 U	14 U
Aroclor-1221		14 U	14 U	14 U	15 U	14 U	14 U
Aroclor-1232		14 U	14 U	14 U	15 U	14 U	14 U
Aroclor-1242		14 U	14 U	14 U	15 U	14 U	14 U
Aroclor-1248		14 U	14 U	14 U	15 U	14 U	14 U
Aroclor-1254		14 U	14 U	14 U	15 U	14 U	14 U
Aroclor-1260		3.8 J	94 %	79 %	15 U	14 U	22

Sample Information	Cust ID:	168252318-PC B5	168252318-PC B6	PBLKMJ	PBLKMJ BS
	RFW#:	005	006	06LE0610-MB1	06LE0610-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG
Surrogate: Tetrachloro-m-xylene		99 %	86 %	92 %	87 %
Decachlorobiphenyl		111 %	104 %	102 %	105 %
Aroclor-1016		14 U	14 U	13 U	78 %
Aroclor-1221		14 U	14 U	13 U	13 U
Aroclor-1232		14 U	14 U	13 U	13 U
Aroclor-1242		14 U	14 U	13 U	13 U
Aroclor-1248		14 U	14 U	13 U	13 U
Aroclor-1254		14 U	14 U	13 U	13 U
Aroclor-1260		22	11 J	13 U	96 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
R= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2718

RFW Lot No.: 0607L571

	CLIENT SAMPLE NO.	S1 ( )#	OTHER DCB
01	168252318-PCB1	90	108
02	168252318-PCB1MS	92	108
03	168252318-PCB1MSD	82	101
04	168252318-PCB2	98	114
05	168252318-PCB3	84	103
06	168252318-PCB4	101	114
07	168252318-PCB5	99	111
08	168252318-PCB6	86	104
09	PBLKMJLE0610-MB1	92	102
10	PBLKMJLE0610-MB1 BS	87	105

	ADVISORY QC LIMITS
S1 ( ) = Tetrachloro-m-xylene	(28-118)
S2 (DCB) = Decachlorobiphenyl	(38-122)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

FORM II PEST-2

01/89 Rev.

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2718 RFW Lot No.: 0607L571-001

MATRIX Spike - Sample No.: 168252318-PCB1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Aroclor-1016	167	0	128	77	60 -140
Aroclor-1260	167	0	160	94	60 -140

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
Aroclor-1016	167	128	77	0	NA	60 -140
Aroclor-1260	167	136	79	17	NA	60 -140

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS:

3F

SOIL PESTICIDE MATRIX SPIKE RECOVERY

Lab Name: Lionville Labs, Inc. Contract: 0052-01-01

Case No.: NSTEC V2718 RFW Lot No.: 0607L571

MATRIX Spike - Sample No.: PBLKMJLE0610-MB1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC
Aroclor-1016	167	0	129	78	60 -140
Aroclor-1260	167	0	159	96	60 -140

Column to be used to flag recovery value with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

4D

METHOD BLANK SUMMARY

Lab Name: Lionville Labs, Inc. Contract: 60052-001-001-0001-00

Case No.: NSTEC V2718

Lab Sample ID: 06LE0610-MB1 Lab File ID: BLKFILE3.01

Matrix:(Soil/Water) SOIL Level:(low/med) LOW

Date Extracted: 07/27/06 Extraction:(SepF/Cont/Sonc) ****

Date Analyzed (1): 07/31/06 Time Analyzed (1): ____

Instrument ID (1): 09 GC Column ID (1): _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1
01	168252318-PCB1	0607L571-001	07/31/06
02	168252318-PCB1MS	0607L571-001S	07/31/06
03	168252318-PCB1MSD	0607L571-001T	07/31/06
04	168252318-PCB2	0607L571-002	07/31/06
05	168252318-PCB3	0607L571-003	07/31/06
06	168252318-PCB4	0607L571-004	07/31/06
07	168252318-PCB5	0607L571-005	07/31/06
08	168252318-PCB6	0607L571-006	07/31/06
09	PBLKMJLE0610-MB1 BS	06LE0610-MB1S	07/31/06

7/28/06

COMMENTS:

FORM IV

Sample Delivery Group V2794

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0611054

Bechtel Nevada

ANALYTICAL LABORATORY
SERVICES REQUEST & CHAIN OF CUSTODY RECORD

Page 1 of 1

RSP 11/6/06

PROJECT/CLIENT INFORMATION

Project: CAU 168 | BN Org #: H330
Charge Number: 5B1B09D5
Project Manager: Jeff Smith
Phone: 702-295-7775 | Fax: 702-295-7761 | M/S: NTS306

REPORT & TURNAROUND INFORMATION

Send Report to: Reed Poderis - poderirj@nv.doe.gov
Phone: 702-295-0847 | Fax: 702-295-7761 | M/S: NTS306
Turnaround: ☐ Standard - 14 days IH, 28 days Non-rad Env, 45 Days Rad Env,
☒ Rush Preliminary by: _____ (IH)
☐1 ☐2 ☐7 ☐14 (non-Rad Env)
☐1 ☐7 ☒14 ☐28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAU 168, CAS 25-23-18
The samples submitted contain (check):
☐ **Hazardous** *(list)* - _____
☐ **Radioactive** *(list)* - _____
☒ **Unknown** contamination.
If known, identify contaminants.
This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

SDG: _____ (IH) _____ (Non-Rad Env) V2794 (Rad Env)
Samples submitted are associated with a signed Project SOW ☒Yes ☐No
Analyses entered here agree with the SOW ☒Yes ☐No ☐N/A
If not, identify the variation: _____
Subcontract Lab(s) used for this work: PARAGON

Pay Item, Analysis, Method

	NGS-A-002	NAS-A-002	GPC-A-010					
	Gamma Spec	Iso U	Sr90					

	ID/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres - Analysis eg. HCl - VOCs								
1	252318 1V1	11/1/06	955	soil	1	500ml				ice	X	X						
2	252318 1V2	11/1/06	1000	soil	1	500ml				ice	X	X						
3	252318 1V3	11/1/06	1005	soil	1	500ml				ice	X	X						
4	252318 4V1	11/1/06	1115	soil	1	500ml				ice	X		X					
5	252318 4V2	11/1/06	1120	soil	1	500ml				ice	X		X					
	LAST ITEM																	

CUSTODY TRANSFER

Sampled/Relinquished (print)	Signature	Date/Time	Received by (print)	Signature	Date/Time
Reed J. Poderis	/s/: Signature on File	11/1/06 430pm	ER (locked fridge)	/s/: Signature on File	11/1/06 430pm
ER fridge	/s/: Signature on File	11/1/06 0900	Reed Poderis	/s/: Signature on File	11/1/06 0900
Reed Poderis	/s/: Signature on File	11/6/06 0959	C.A. Castaneda	/s/: Signature on File	11/06/06 @0959
C.A. CASTANEDA	/s/: Signature on File	11/06/06@1300	Fed Ex*	/s/: Signature on File	11/06/06@1300
~~Sheri Laffoon~~ Fed Ex 11.7.06		11.7.06 0900	Sheri Laffoon		11.7.06 0900

Retention Code: ENV 5.c(1)

BN-0732 (04/02)

Gamma Spectroscopy Results

PAI 713 Rev 9

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 1V1
Lab ID: 0611054-1

Library: LNG_GAM-A-00
Analysis ReqCode: NGS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 739 Rev 8
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 14-Nov-06

Prep Batch: GS061108-1
QCBatchID: GS061108-1-1
Run ID: GS061108-1A
Count Time: 30 minutes
Report Basis: Dry Weight

Final Aliquot: 424 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: 062708d06

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
14331-83-0	Ac-228	1.57E+00 +/- 3.83E-01	4.33E-01	G,TI
14596-10-2	Am-241	1.01E+00 +/- 1.23E+00	2.01E+00	U,G
14733-03-0	Bi-214	1.16E+00 +/- 2.76E-01	2.40E-01	G,J,TI
14762-78-8	Ce-144	2.42E-01 +/- 4.88E-01	8.17E-01	U,G
10198-40-0	Co-60	2.23E-02 +/- 8.17E-02	1.48E-01	U,G
13967-70-9	Cs-134	1.11E-01 +/- 1.08E-01	1.57E-01	U,G
10045-97-3	Cs-137	3.39E-01 +/- 1.13E-01	1.24E-01	LT,G
14683-23-9	Eu-152	-1.07E-01 +/- 3.45E-01	7.03E-01	U,G
15585-10-1	Eu-154	-1.11E-02 +/- 3.93E-01	7.39E-01	U,G
14391-16-3	Eu-155	4.66E-01 +/- 3.11E-01	4.78E-01	U,G
13966-00-2	K-40	2.65E+01 +/- 4.25E+00	1.69E+00	G
15092-94-1	Pb-212	1.18E+00 +/- 2.27E-01	1.83E-01	G
15067-28-4	Pb-214	7.54E-01 +/- 1.78E-01	2.12E-01	G,J
14834-73-2	Pm-144	-2.30E-02 +/- 7.77E-02	1.45E-01	U,G
14834-74-3	Pm-146	-1.21E-02 +/- 8.88E-02	1.61E-01	U,G

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSS0611054-1*

Gamma Spectroscopy Results

PAI 713 Rev 9

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 1V1
Lab ID: 0611054-1

Library: LNG_GAM-A-00
Analysis ReqCode: NGS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 739 Rev 8
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 14-Nov-06

Prep Batch: GS061108-1
QCBatchID: GS061108-1-1
Run ID: GS061108-1A
Count Time: 30 minutes
Report Basis: Dry Weight

Final Aliquot: 424 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: 062708d06

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
13967-48-1	Ru-106	4.24E-01 +/- 6.69E-01	1.12E+00	U,G
14234-35-6	Sb-125	-3.78E-02 +/- 1.88E-01	3.44E-01	U,G
15065-10-8	Th-234	-3.77E-01 +/- 1.77E+00	3.08E+00	U,G
14913-50-9	Tl-208	3.98E-01 +/- 1.15E-01	1.14E-01	G
15117-96-1	U-235	-5.98E-02 +/- 4.82E-01	8.40E-01	U,G
13982-36-0	Y-88	-5.41E-02 +/- 8.96E-02	1.76E-01	U,G

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

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Abbreviations:

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MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSS0611054-1*

Gamma Spectroscopy Results

PAI 713 Rev 9

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 1V2
Lab ID: 0611054-2

Library: LNG_GAM-A-00
Analysis ReqCode: NGS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 739 Rev 8
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 14-Nov-06

Prep Batch: GS061108-1
QCBatchID: GS061108-1-1
Run ID: GS061108-1A
Count Time: 30 minutes
Report Basis: Dry Weight

Final Aliquot: 423 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: 062709d06

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
14331-83-0	Ac-228	1.42E+00 +/- 3.30E-01	3.15E-01	G
14596-10-2	Am-241	-2.23E-01 +/- 1.19E+00	2.10E+00	U,G
14733-03-0	Bi-214	7.42E-01 +/- 2.28E-01	2.49E-01	G,J,TI
14762-78-8	Ce-144	-3.19E-01 +/- 4.76E-01	8.55E-01	U,G
10198-40-0	Co-60	3.91E-02 +/- 7.55E-02	1.31E-01	U,G
13967-70-9	Cs-134	-2.06E-02 +/- 1.05E-01	1.89E-01	U,G
10045-97-3	Cs-137	1.19E-01 +/- 8.75E-02	1.32E-01	U,G
14683-23-9	Eu-152	4.61E-02 +/- 3.42E-01	6.46E-01	U,G
15585-10-1	Eu-154	3.61E-02 +/- 4.47E-01	8.17E-01	U,G
14391-16-3	Eu-155	-9.71E-03 +/- 3.05E-01	5.30E-01	U,G
13966-00-2	K-40	2.48E+01 +/- 4.02E+00	1.53E+00	G
15092-94-1	Pb-212	1.49E+00 +/- 2.61E-01	1.82E-01	G
15067-28-4	Pb-214	7.53E-01 +/- 1.78E-01	2.22E-01	G,J
14834-73-2	Pm-144	3.69E-02 +/- 6.79E-02	1.15E-01	U,G
14834-74-3	Pm-146	1.34E-02 +/- 8.91E-02	1.57E-01	U,G

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

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M - The requested MDC was not met.

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SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSS0611054-1*

Gamma Spectroscopy Results

PAI 713 Rev 9

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 1V2
Lab ID: 0611054-2

Library: LNG_GAM-A-00
Analysis ReqCode: NGS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 739 Rev 8
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 14-Nov-06

Prep Batch: GS061108-1
QCBatchID: GS061108-1-1
Run ID: GS061108-1A
Count Time: 30 minutes
Report Basis: Dry Weight

Final Aliquot: 423 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: 062709d06

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
13967-48-1	Ru-106	2.54E-01 +/- 7.49E-01	1.30E+00	U,G
14234-35-6	Sb-125	1.11E-01 +/- 1.89E-01	3.18E-01	U,G
15065-10-8	Th-234	4.59E-01 +/- 1.77E+00	3.00E+00	U,G
14913-50-9	Tl-208	4.59E-01 +/- 1.18E-01	1.15E-01	G
15117-96-1	U-235	-1.65E-01 +/- 4.63E-01	8.19E-01	U,G
13982-36-0	Y-88	-2.23E-02 +/- 9.39E-02	1.77E-01	U,G

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSS0611054-1*

Gamma Spectroscopy Results

PAI 713 Rev 9

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 1V3
Lab ID: 0611054-3

Library: LNG_GAM-A-00
Analysis ReqCode: NGS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 739 Rev 8
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 14-Nov-06

Prep Batch: GS061108-1
QCBatchID: GS061108-1-1
Run ID: GS061108-1A
Count Time: 30 minutes
Report Basis: Dry Weight

Final Aliquot: 407 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: 062710d06

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
14331-83-0	Ac-228	1.48E+00 +/- 3.61E-01	4.34E-01	G
14596-10-2	Am-241	9.34E-01 +/- 1.30E+00	2.14E+00	U,G
14913-49-6	Bi-212	1.80E+00 +/- 1.15E+00	1.63E+00	G
14733-03-0	Bi-214	8.42E-01 +/- 2.47E-01	2.62E-01	G,J,TI
14762-78-8	Ce-144	-3.94E-01 +/- 4.82E-01	8.73E-01	U,G
10198-40-0	Co-60	3.94E-02 +/- 8.49E-02	1.48E-01	U,G
13967-70-9	Cs-134	-3.85E-02 +/- 7.80E-02	1.46E-01	U,G
10045-97-3	Cs-137	8.46E-01 +/- 1.77E-01	1.19E-01	LT,G
14683-23-9	Eu-152	1.31E-01 +/- 3.36E-01	6.05E-01	U,G
15585-10-1	Eu-154	-4.91E-02 +/- 3.92E-01	7.52E-01	U,G
14391-16-3	Eu-155	2.02E-01 +/- 3.20E-01	5.31E-01	U,G
13966-00-2	K-40	2.72E+01 +/- 4.32E+00	1.24E+00	G
15092-94-1	Pb-212	1.48E+00 +/- 2.59E-01	1.77E-01	G
15067-28-4	Pb-214	7.82E-01 +/- 1.82E-01	2.07E-01	G,J
14834-73-2	Pm-144	1.44E-02 +/- 7.73E-02	1.37E-01	U,G

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSS0611054-1*

Gamma Spectroscopy Results

PAI 713 Rev 9

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 1V3
Lab ID: 0611054-3

Library: LNG_GAM-A-00
Analysis ReqCode: NGS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 739 Rev 8
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 14-Nov-06

Prep Batch: GS061108-1
QCBatchID: GS061108-1-1
Run ID: GS061108-1A
Count Time: 30 minutes
Report Basis: Dry Weight

Final Aliquot: 407 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: 062710d06

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
14834-74-3	Pm-146	2.46E-02 +/- 1.03E-01	1.78E-01	U,G
13967-48-1	Ru-106	3.09E-01 +/- 6.31E-01	1.08E+00	U,G
14234-35-6	Sb-125	6.05E-02 +/- 1.88E-01	3.49E-01	U,G
15065-10-8	Th-234	1.70E-01 +/- 1.86E+00	3.18E+00	U,G
14913-50-9	Tl-208	4.32E-01 +/- 1.25E-01	1.28E-01	G
15117-96-1	U-235	-1.40E-01 +/- 4.95E-01	8.71E-01	U,G
13982-36-0	Y-88	7.95E-03 +/- 8.67E-02	1.58E-01	U,G

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSS0611054-1*

Gamma Spectroscopy Results

PAI 713 Rev 9

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 4V1
Lab ID: 0611054-4

Library: LNG_GAM-A-00
Analysis ReqCode: NGS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 739 Rev 8
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 14-Nov-06

Prep Batch: GS061108-1
QCBatchID: GS061108-1-1
Run ID: GS061108-1A
Count Time: 30 minutes
Report Basis: Dry Weight

Final Aliquot: 438 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: 062711d06

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
14331-83-0	Ac-228	1.40E+00 +/- 3.39E-01	4.76E-01	
14596-10-2	Am-241	-4.70E-01 +/- 1.34E+00	2.38E+00	U
14733-03-0	Bi-214	8.04E-01 +/- 2.23E-01	2.16E-01	J,TI
14762-78-8	Ce-144	-1.76E-01 +/- 5.34E-01	9.34E-01	U
10198-40-0	Co-60	0E+00 +/- 7.49E-02	1.43E-01	U
13967-70-9	Cs-134	-1.19E-02 +/- 6.60E-02	1.22E-01	U
10045-97-3	Cs-137	1.31E+00 +/- 2.36E-01	1.52E-01	
14683-23-9	Eu-152	-1.07E-01 +/- 3.49E-01	7.05E-01	U
15585-10-1	Eu-154	4.29E-02 +/- 3.49E-01	6.48E-01	U
14391-16-3	Eu-155	1.41E-01 +/- 3.41E-01	5.72E-01	U
13966-00-2	K-40	2.38E+01 +/- 3.85E+00	1.36E+00	
15092-94-1	Pb-212	1.54E+00 +/- 2.66E-01	1.83E-01	
15067-28-4	Pb-214	8.99E-01 +/- 1.99E-01	2.47E-01	J
14834-73-2	Pm-144	5.34E-02 +/- 7.26E-02	1.20E-01	U
14834-74-3	Pm-146	-1.58E-02 +/- 1.02E-01	1.83E-01	U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSS0611054-1*

Gamma Spectroscopy Results

PAI 713 Rev 9

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 4V1
Lab ID: 0611054-4

Library: LNG_GAM-A-00
Analysis ReqCode: NGS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 739 Rev 8
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 14-Nov-06

Prep Batch: GS061108-1
QCBatchID: GS061108-1-1
Run ID: GS061108-1A
Count Time: 30 minutes
Report Basis: Dry Weight

Final Aliquot: 438 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: 062711d06

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
13967-48-1	Ru-106	-2.87E-01 +/- 7.38E-01	1.37E+00	U
14234-35-6	Sb-125	-4.82E-02 +/- 1.88E-01	3.70E-01	U
15065-10-8	Th-234	6.33E-02 +/- 1.89E+00	3.23E+00	U
14913-50-9	Tl-208	4.60E-01 +/- 1.22E-01	1.23E-01	
15117-96-1	U-235	3.04E-01 +/- 5.16E-01	8.57E-01	U
13982-36-0	Y-88	5.72E-02 +/- 8.60E-02	1.44E-01	U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Data Package ID: *GSS0611054-1*

Gamma Spectroscopy Results

PAI 713 Rev 9

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 4V2
Lab ID: 0611054-5

Library: LNG_GAM-A-00
Analysis ReqCode: NGS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 739 Rev 8
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 14-Nov-06

Prep Batch: GS061108-1
QCBatchID: GS061108-1-1
Run ID: GS061108-1A
Count Time: 30 minutes
Report Basis: Dry Weight

Final Aliquot: 437 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: 061386d09

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
14331-83-0	Ac-228	1.21E+00 +/- 3.40E-01	5.12E-01	
14596-10-2	Am-241	7.48E-01 +/- 8.54E-01	1.39E+00	U
14733-03-0	Bi-214	7.47E-01 +/- 2.33E-01	2.96E-01	J
14762-78-8	Ce-144	2.34E-01 +/- 5.74E-01	9.63E-01	U
10198-40-0	Co-60	4.55E-02 +/- 6.43E-02	1.06E-01	U
13967-70-9	Cs-134	-1.90E-01 +/- 6.63E-01	1.10E+00	U
10045-97-3	Cs-137	1.90E+00 +/- 3.05E-01	1.43E-01	
14683-23-9	Eu-152	1.04E-01 +/- 3.32E-01	6.05E-01	U
15585-10-1	Eu-154	-9.85E-02 +/- 4.31E-01	8.22E-01	U
14391-16-3	Eu-155	1.38E-01 +/- 3.67E-01	6.17E-01	U
13966-00-2	K-40	2.48E+01 +/- 4.03E+00	1.64E+00	
15092-94-1	Pb-212	1.62E+00 +/- 2.91E-01	2.40E-01	
15067-28-4	Pb-214	1.01E+00 +/- 2.37E-01	3.13E-01	J
14834-73-2	Pm-144	0E+00 +/- 8.12E-02	1.46E-01	U
14834-74-3	Pm-146	1.18E-02 +/- 1.04E-01	1.82E-01	U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSS0611054-1*

Gamma Spectroscopy Results

PAI 713 Rev 9

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 4V2
Lab ID: 0611054-5

Library: LNG_GAM-A-00
Analysis ReqCode: NGS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 739 Rev 8
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 14-Nov-06

Prep Batch: GS061108-1
QCBatchID: GS061108-1-1
Run ID: GS061108-1A
Count Time: 30 minutes
Report Basis: Dry Weight

Final Aliquot: 437 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: 061386d09

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
13967-48-1	Ru-106	-8.50E-02 +/- 7.60E-01	1.38E+00	U
14234-35-6	Sb-125	-6.89E-02 +/- 2.32E-01	4.50E-01	U
15065-10-8	Th-234	1.81E+00 +/- 2.65E+00	4.36E+00	U
14913-50-9	Tl-208	5.18E-01 +/- 1.39E-01	1.41E-01	
15117-96-1	U-235	-7.57E-01 +/- 6.06E-01	1.09E+00	U
13982-36-0	Y-88	-5.35E-03 +/- 9.57E-02	1.76E-01	U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSS0611054-1*

Strontium-90 Analysis by GFPC Sample Results Summary

Client Name: National Sercurity Technologies, LLC
Client Project Name: CAU 168
Client Project Number: V2794

Laboratory Name: **Paragon Analytics**
PAI Work Order: 0611054

Reported on: Friday, November 17, 2006 9:11:46 AM

Lab Sample ID	Client Sample ID	Sample Type	Nuclide	Result +/- 2 s TPU	MDC	Units	Matrix	Prep Batch	Date Analyzed	Flags
0611054-4	252318 4V1	Sample	Sr-90	2.67E+01 +/- 6.38E+00	6.04E-01	pCi/g	SOIL	SR061110-1	11/13/2006	
0611054-5	252318 4V2	Sample	Sr-90	5.74E+01 +/- 1.36E+01	6.02E-01	pCi/g	SOIL	SR061110-1	11/13/2006	

Comments:

Data Package ID: *SR0611054-1*

Qualifiers/Flags:

U - Result is less than the sample specific MDC.

LT - Result is less than Requested MDC, greater than sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

M - The requested MDC was not met.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Isotopic Uranium By Alpha Spectroscopy

PAI 714 Rev 10

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 1V1
Lab ID: 0611054-1

Analysis ReqCode: NAS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 778 Rev 11
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 10-Nov-06

Prep Batch: AS061108-1
QCBatchID: AS061108-1-1
Run ID: AS061108-1A
Count Time: 660 minutes
Report Basis: Dry Weight

Final Aliquot: 3.02 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: Spectrum #1

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
11-08-5	U-233/234	7.45E-01 +/- 1.37E-01	1.86E-02	
15117-96-1	U-235	2.69E-02 +/- 1.45E-02	1.60E-02	
7440-61-1	U-238	6.18E-01 +/- 1.16E-01	1.86E-02	

Chemical Yield Summary

Carrier/Tracer	Amount Added	Result	Units	Yield	Control Limits	Flag
U-232	7.400E-01	4.96E-01	pCi/g	67.0	30 - 110 %	

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *U0611054-1*

Isotopic Uranium By Alpha Spectroscopy

PAI 714 Rev 10

Sample Duplicate Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 1V1
Lab ID: 0611054-1DUP

Sample Matrix: SOIL
Prep SOP: PAI 778 Rev 11
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 10-Nov-06

Prep Batch: AS061108-1
QCBatchID: AS061108-1-1
Run ID: AS061108-1A
Count Time: 660 minutes
Report Basis: Dry Weight

Final Aliquot: 3.02 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: Spectrum #1

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
11-08-5	U-233/234	7.37E-01 +/- 1.35E-01	1.13E-02	
15117-96-1	U-235	3.94E-02 +/- 1.60E-02	8.43E-03	
7440-61-1	U-238	6.36E-01 +/- 1.18E-01	1.13E-02	

Chemical Yield Summary

Carrier/Tracer	Amount Added	Result	Units	Yield	Control Limits	Flag
U-232	7.400E-01	5.13E-01	pCi/g	69.4	30 - 110 %	

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M - The requested MDC was not met.

M3 - The requested MDC was not met, but thereported activity is greater than the reported MDC.

D - DER is greater than Control Limit of 3

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *U0611054-1*

Isotopic Uranium By Alpha Spectroscopy

PAI 714 Rev 10

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 1V2
Lab ID: 0611054-2

Analysis ReqCode: NAS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 778 Rev 11
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 10-Nov-06

Prep Batch: AS061108-1
QCBatchID: AS061108-1-1
Run ID: AS061108-1A
Count Time: 660 minutes
Report Basis: Dry Weight

Final Aliquot: 3.02 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: Spectrum #1

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
11-08-5	U-233/234	7.57E-01 +/- 1.42E-01	1.01E-02	
15117-96-1	U-235	2.72E-02 +/- 1.38E-02	9.61E-03	
7440-61-1	U-238	6.84E-01 +/- 1.29E-01	1.17E-02	

Chemical Yield Summary

Carrier/Tracer	Amount Added	Result	Units	Yield	Control Limits	Flag
U-232	7.410E-01	4.47E-01	pCi/g	60.4	30 - 110 %	

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *U0611054-1*

Isotopic Uranium By Alpha Spectroscopy

PAI 714 Rev 10

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0611054
Client Name: National Sercurity Technologies, LLC
ClientProject ID: CAU 168 V2794

Field ID: 252318 1V3
Lab ID: 0611054-3

Analysis ReqCode: NAS-A-002

Sample Matrix: SOIL
Prep SOP: PAI 778 Rev 11
Date Collected: 01-Nov-06
Date Prepared: 08-Nov-06
Date Analyzed: 10-Nov-06

Prep Batch: AS061108-1
QCBatchID: AS061108-1-1
Run ID: AS061108-1A
Count Time: 660 minutes
Report Basis: Dry Weight

Final Aliquot: 3.00 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: Spectrum #1

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Lab Qualifier
11-08-5	U-233/234	7.42E-01 +/- 1.33E-01	1.37E-02	
15117-96-1	U-235	3.15E-02 +/- 1.40E-02	1.18E-02	
7440-61-1	U-238	6.71E-01 +/- 1.21E-01	7.88E-03	

Chemical Yield Summary

Carrier/Tracer	Amount Added	Result	Units	Yield	Control Limits	Flag
U-232	7.440E-01	5.50E-01	pCi/g	73.9	30 - 110 %	

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *U0611054-1*

Sample Delivery Group V2805

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NSTec

ANALYTICAL LABORATORY

SERVICES REQUEST AND CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT / CLIENT INFORMATION

Project: CAU 168 | BN Org#: H330

Charge Number: 5B1B09D5

Project Manager: Jeff Smith

Phone: 295-7775 | Fax: 295-7761 | M/S: NTS306

REPORT & TURNAROUND INFORMATION

Send Report to: David Nacht

Phone: 295-5577 | Fax: 295-7761 | M/S: NTS306

Turnaround: ( ) Standard – 14 days IH, 28 days Non-rad Env, 45 days Rad Env
(X) RUSH Preliminary by: _____ (IH)
__1 __2 _7 _X 14 (non-Rad Env)
__1 __7 __14 ___ 28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAU 168 CAS 26-19-02

The samples submitted contain (check);

( ) **Hazardous** - *(list)* _____

( ) **Radioactive** - *(list)* _____

(X) **Unknown** contamination. If known, identify contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

SDG: _____ (IH) V2805 (Non-Rad Env) _____ (Rad Env)

Samples submitted are associated with a signed Project SOW. (X) YES ( ) NO

Analyses entered here agree with the SOW. (X) YES ( ) NO ( ) N/A

If not, identify the variation: _____

Subcontract Lab(s) used for this work: LIONVILLE

ID/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres – Analysis eg. HCl - VOCs	Pay Item, Analysis, Method: TPH -gasoline DIESEL / OIL	~~TPH Diesel/Oil~~	PCB	TCLP Metals	TCLP VOCs	TCLP SVOCs	VOCs, TCLP List	Na
										10,52		8.1	9.23	6.11	7.3	1.31	
261902-~~1WC~~ 1WC ~~WC1~~	11-15-06	13:10	Wax	6	1125 ml		X	X	4^0C	X	X	X	X	X	X	Na	
261902-~~2WC~~ 2WC ~~WC2~~	11-15-06	13:25	Wax	6	1125 ml				4^0C	X	X	X	X	X	X	Na	
261902-BL	11-15-06	12:00	Water	3	80 ml				H2SO4, 4^0C	Na	Na	Na	Na	Na	Na	X	

CUSTODY TRANSFER

Sampled/Relinquished (print)	Signature	DATE / TIME	Received by (print)	Signature	DATE / TIME
David Nacht	/s/: Signature on File	11-15-06 17:10	Sample Refrigerator	NA	11-15-06 17:10
BEN MCHEE FOR REFRIGERATOR	/s/: Signature on File	11-21-06 10:23	C.A. CASTANEDA	/s/: Signature on File	11-21-06@1023
C.A. CASTANEDA	/s/: Signature on File	11-21-06@1300	Fed Ex #	/s/: Signature on File	11-21-06@1300
FED EX		11/22/06 @ 1000	VICTOR HERNANDEZ	/s/: Signature on File	11/22/06 @ 1000

Retention Code: ENV 5.c(1)

BN-0732 (04/02)

NSTec

ANALYTICAL LABORATORY

SERVICES REQUEST AND CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT / CLIENT INFORMATION

Project: CAU 168 | BN Org#: H330

Charge Number: 5B1B09D5

Project Manager: Jeff Smith

Phone: 295-7775 | Fax: 295-7761 | M/S: NTS306

REPORT & TURNAROUND INFORMATION

Send Report to: David Nacht

Phone: 295-5577 | Fax: 295-7761 | M/S: NTS306

Turnaround: ( ) Standard – 14 days IH, 28 days Non-rad Env, 45 days Rad Env
(X) RUSH Preliminary by: _____ (IH)
__1 __2 _7 _X 14 (non-Rad Env)
__1 __7 __14 __28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAU 168 CAS 25-23-18

The samples submitted contain (check);
( ) **Hazardous** - *(list)* _____
( ) **Radioactive** - *(list)* _____
(X) **Unknown** contamination. If known, identify contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

SDG: _____ (IH) V2805 (Non-Rad Env) _____ (Rad Env)

Samples submitted are associated with a signed Project SOW. (X) YES ( ) NO

Analyses entered here agree with the SOW. (X) YES ( ) NO ( ) N/A

If not, identify the variation: _____

Subcontract Lab(s) used for this work: LIONVILLE

ID/DESCRIPTION	DATE	TIME		#	Est. Vol	MD	MS	MSD		Pay Item, Analysis, Method: 3.1 PCB	4.27 TCLP Metals	1.20 TCLP VOCs	2.16 TCLP SVOCs	Na	Na	Na	Na
252318-1WC1	11-15-06	15:09	Oil	5	620 ml		X	X	4°C	X	X	X	X				
252318-2WC2	11-15-06	15:40	Oil	5	620 ml				4°C	X	X	X	X				

CUSTODY TRANSFER

Sampled/Relinquished (print)	Signature	DATE / TIME	Received by (print)	Signature	DATE / TIME
David Nacht	/s/: Signature on File	11-15-06 17:20	Sample Refrigerator	N/A	11-15-06 17:20
BEN McGEE FOR REFRIGERATOR	/s/: Signature on File	11-21-06 10:30	CD CASTANEDA	/s/: Signature on File	11-21-06 @ 1030
CD Castaneda	/s/: Signature on File	11-21-06 @ 1300	FED EX	/s/: Signature on File	11-21-06 @ 1300
FED EX		11/22/06 COC @ 1000	VICTOR HERNANDEZ		11/22/06 @ 1000

Retention Code: ENV 5.c(1)

BN-0732 (04/02)

Lionville Laboratory, Inc.

INORGANICS DATA SUMMARY REPORT 12/05/06

CLIENT: NSTEC V2805 LVL LOT #: 0611L408

WORK ORDER: 60052-001-001-0001-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-010	261902-1WC	Silver, TCLP Leachate	3.8		UG/L	3.0	6.0
		Arsenic, TCLP Leachate	18.6	u	UG/L	18.6	6.0
		Barium, TCLP Leachate	51.7		UG/L	0.60	6.0
		Cadmium, TCLP Leachate	1.8	u	UG/L	1.8	6.0
		Chromium, TCLP Leachate	20.7		UG/L	7.2	6.0
		Mercury, TCLP Leachate	0.10	u	UG/L	0.10	1.0
		Lead, TCLP Leachate	12.4		UG/L	9.6	6.0
		Selenium, TCLP Leachate	25.8	u	UG/L	25.8	6.0
-011	261902-2WC	Silver, TCLP Leachate	3.0	u	UG/L	3.0	6.0
		Arsenic, TCLP Leachate	18.6	u	UG/L	18.6	6.0
		Barium, TCLP Leachate	270		UG/L	0.60	6.0
		Cadmium, TCLP Leachate	3.5		UG/L	1.8	6.0
		Chromium, TCLP Leachate	11.4		UG/L	7.2	6.0
		Mercury, TCLP Leachate	0.20		UG/L	0.10	1.0
		Lead, TCLP Leachate	24 8		UG/L	9.6	6.0
		Selenium, TCLP Leachate	25.8	u	UG/L	25.8	6.0
-012	252318-WC1	Silver, TCLP Leachate	399		UG/L	50.0	1.0
		Arsenic, TCLP Leachate	310	u	UG/L	310	1.0
		Barium, TCLP Leachate	79500		UG/L	10.0	1.0
		Cadmium, TCLP Leachate	14200		UG/L	30.0	1.0
		Chromium, TCLP Leachate	610		UG/L	120	1.0
		Mercury, TCLP Leachate	50.0	u	UG/L	50.0	500
		Lead, TCLP Leachate	14900		UG/L	160	1.0
		Selenium, TCLP Leachate	430	u	UG/L	430	1.0
-013	252318-WC2	Silver, TCLP Leachate	380		UG/L	50.0	1.0
		Arsenic, TCLP Leachate	310	u	UG/L	310	1.0
		Barium, TCLP Leachate	69800		UG/L	10.0	1.0
		Cadmium, TCLP Leachate	12500		UG/L	30.0	1.0
		Chromium, TCLP Leachate	570		UG/L	120	1.0
		Mercury, TCLP Leachate	50.0	u	UG/L	50.0	500
		Lead, TCLP Leachate	17500		UG/L	160	1.0
		Selenium, TCLP Leachate	430	u	UG/L	430	1.0

Lionville Laboratory, Inc.

INORGANICS METHOD BLANK DATA SUMMARY PAGE 12/05/06

CLIENT: NSTEC V2805 LVL LOT #: 0611L408

WORK ORDER: 60052-001-001-0001-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
BLANK1	06L0725-MB1	Silver, TCLP Leachate	0.50	u	UG/L	0.50	1.0
		Arsenic, TCLP Leachate	3.1	u	UG/L	3.1	1.0
		Barium, TCLP Leachate	0.73		UG/L	0.10	1.0
		Cadmium, TCLP Leachate	0.30	u	UG/L	0.30	1.0
		Chromium, TCLP Leachate	1.2	u	UG/L	1.2	1.0
		Lead, TCLP Leachate	1.6	u	UG/L	1.6	1.0
		Selenium, TCLP Leachate	4.3	u	UG/L	4.3	1.0
BLANK2	06L0725-MB2	Silver, TCLP Leachate	5.4		UG/L	3.0	6.0
		Arsenic, TCLP Leachate	18.6	u	UG/L	18.6	6.0
		Barium, TCLP Leachate	0.78		UG/L	0.60	6.0
		Cadmium, TCLP Leachate	1.8	u	UG/L	1.8	6.0
		Chromium, TCLP Leachate	7.2	u	UG/L	7.2	6.0
		Lead, TCLP Leachate	9.6	u	UG/L	9.6	6.0
		Selenium, TCLP Leachate	25.8	u	UG/L	25.8	6.0
BLANK1	06C0214-MB1	Mercury, Total	0.10	u	UG/L	0.10	1.0
BLANK2	06C0214-MB2	Mercury, TCLP Leachate	0.10	u	UG/L	0.10	1.0
BLANK3	06C0214-MB3	Mercury, TCLP Leachate	0.10	u	UG/L	0.10	1.0
BLANK1	06L0726-MB1	Silver, TCLP Leachate	60.0		UG/L	50.0	1.0
		Arsenic, TCLP Leachate	310	u	UG/L	310	1.0
		Barium, TCLP Leachate	10.0		UG/L	10.0	1.0
		Cadmium, TCLP Leachate	30.0	u	UG/L	30.0	1.0
		Chromium, TCLP Leachate	120	u	UG/L	120	1.0
		Lead, TCLP Leachate	203		UG/L	160	1.0
		Selenium, TCLP Leachate	430	u	UG/L	430	1.0
BLANK2	06L0726-MB2	Silver, TCLP Leachate	68.0		UG/L	50.0	1.0
		Arsenic, TCLP Leachate	310	u	UG/L	310	1.0
		Barium, TCLP Leachate	10.0		UG/L	10.0	1.0
		Cadmium, TCLP Leachate	31.0		UG/L	30.0	1.0
		Chromium, TCLP Leachate	166		UG/L	120	1.0
		Lead, TCLP Leachate	160	u	UG/L	160	1.0
		Selenium, TCLP Leachate	430	u	UG/L	430	1.0
BLANK1	06C0215-MB1	Mercury, Total	0.10	u	UG/L	0.10	1.0
BLANK2	06C0215-MB2	Mercury, TCLP Leachate	50.0	u	UG/L	50.0	500

Lionville Laboratory, Inc.

INORGANICS ACCURACY REPORT 12/05/06

CLIENT: NSTEC V2805 LVL LOT #: 0611L408

WORK ORDER: 60052-001-001-0001-00

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	INITIAL RESULT	SPIKED AMOUNT	%RECOV	DILUTION FACTOR(SPK)
-010	261902-1WC	Silver, TCLP Leachate	5090	3.8	5000	101.7	6.0
		Silver, TCLP Leachate	5090	3.8	5000	101.7	6.0
		Arsenic, TCLP Leachate	5220	18.6 u	5000	104.5	6.0
		Arsenic, TCLP Leachate	5200	18.6 u	5000	104.0	6.0
		Barium, TCLP Leachate	98100	51.7	100000	98.1	6.0
		Barium, TCLP Leachate	98100	51.7	100000	98.1	6.0
		Cadmium, TCLP Leachate	1070	1.8 u	1000	106.6	6.0
		Cadmium, TCLP Leachate	1060	1.8 u	1000	106.5	6.0
		Chromium, TCLP Leachat	5230	20.7	5000	104.1	6.0
		Chromium, TCLP Leachat	5220	20.7	5000	104.0	6.0
		Mercury, TCLP Leachate	206	0.10u	200	103.2	50.0
		Lead, TCLP Leachate	5340	12.4	5000	106.5	6.0
		Lead, TCLP Leachate	5310	12.4	5000	105.9	6.0
		Selenium, TCLP Leachat	1050	25.8 u	1000	105.3	6.0
		Selenium, TCLP Leachat	1050	25.8 u	1000	105.5	6.0
-012	252318-WC1	Silver, TCLP Leachate	458000	399	500000	91.6	1.0
		Silver, TCLP Leachate	293000	399	500000	58.5	1.0
		Arsenic, TCLP Leachate	481000	310 u	500000	96.3	1.0
		Arsenic, TCLP Leachate	486000	310 u	500000	97.3	1.0
		Barium, TCLP Leachate	9810000	79500	000000	97.3	12.0
		Barium, TCLP Leachate	9770000	79500	000000	96.9	12.0
		Cadmium, TCLP Leachate	121000	14200	100000	106.8	1.0
		Cadmium, TCLP Leachate	116000	14200	100000	101.8	1.0
		Chromium, TCLP Leachat	502000	610	500000	100.2	1.0
		Chromium, TCLP Leachat	511000	610	500000	102.0	1.0
		Mercury, TCLP Leachate	181	50.0 u	200	90.5	500
		Lead, TCLP Leachate	521000	14900	500000	101.2	1.0
		Lead, TCLP Leachate	520000	14900	500000	101 0	1.0
		Selenium, TCLP Leachat	92900	430 u	100000	92.9	1.0
		Selenium, TCLP Leachat	92500	430 u	100000	92.5	1.0

Lionville Laboratory, Inc.

INORGANICS DUPLICATE SPIKE REPORT 12/05/06

CLIENT: NSTEC V2805 LVL LOT #: 0611L408

WORK ORDER: 60052-001-001-0001-00

SAMPLE	SITE ID	ANALYTE	SPIKE#1 %RECOV	SPIKE#2 %RECOV	%DIFF
-010	261902-1WC	Silver, TCLP Leachate	101.7	101.7	0.024
		Arsenic, TCLP Leachate	104.5	104.0	0.50
		Barium, TCLP Leachate	98.1	98.1	0.008
		Cadmium, TCLP Leachate	106.6	106.5	0.12
		Chromium, TCLP Leachate	104.1	104.0	0.12
		Lead, TCLP Leachate	106.5	105.9	0.55
		Selenium, TCLP Leachate	105.3	105.5	0.13
-012	252318-WC1	Silver, TCLP Leachate	91.6	58.5	44.1
		Arsenic, TCLP Leachate	96.3	97.3	1.0
		Barium, TCLP Leachate	97.3	96.9	0.44
		Cadmium, TCLP Leachate	106.8	101.8	4.8
		Chromium, TCLP Leachate	100.2	102.0	1.8
		Lead, TCLP Leachate	101.2	101.0	0.22
		Selenium, TCLP Leachate	92.9	92.5	0.40

Lionville Laboratory, Inc.

INORGANICS LABORATORY CONTROL STANDARDS REPORT 12/05/06

CLIENT: NSTEC V2805 LVL LOT #: 0611L408

WORK ORDER: 60052-001-001-0001-00

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	SPIKED AMOUNT	UNITS	%RECOV
LCS1	06L0725-LC1	Silver, LCS	511	500	UG/L	102.1
		Arsenic, LCS	10000	10000	UG/L	100.1
		Barium, LCS	5060	5000	UG/L	101.2
		Cadmium, LCS	257	250	UG/L	103.0
		Chromium, LCS	517	500	UG/L	103.4
		Lead, LCS	2570	2500	UG/L	102.8
		Selenium, LCS	9920	10000	UG/L	99.2
LCS1	06C0214-LC1	Mercury, LCS	4.6	5.0	UG/L	91.5
LCS1	06L0726-LC1	Silver, LCS	49800	50000	UG/L	99.5
		Arsenic, LCS	973000	000000	UG/L	97.3
		Barium, LCS	499000	500000	UG/L	99.9
		Cadmium, LCS	25200	25000	UG/L	100.9
		Chromium, LCS	51100	50000	UG/L	102.2
		Lead, LCS	252000	250000	UG/L	101.0
		Selenium, LCS	945000	000000	UG/L	94.5
LCS1	06C0215-LC1	Mercury, LCS	5.8	5.0	UG/L	116.4

Lionville Laboratory, Inc.

Volatiles by GC/MS, TCLP Leachate

Report Date: 12/06/06 11:47

RFW Batch Number: **0611L408** Client: **NSTEC V2805** Work Order: 60052001001 Page: 1a

	Cust ID:	261902-BL	261902-1WC	261902-1WC	261902-1WC	261902-2WC	252318-WC1
Sample Information	RFW#:	003	006	006 MS	006 MSD	007	008
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	5.00	5.00	5.00	5.00	500
	Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Surrogate Recovery	Toluene-d8	88 %	91 %	88 %	90 %	87 %	84 * %
	Bromofluorobenzene	94 %	100 %	99 %	96 %	92 %	111 %
	1,2-Dichloroethane-d4	87 %	87 %	85 %	69 * %	84 %	81 %
Vinyl Chloride		0.010 U	0.050 U	74 %	80 %	0.050 U	5.0 U
1,1-Dichloroethene		0.005 U	0.025 U	97 %	102 %	0.025 U	2.5 U
Chloroform		0.005 U	0.025 U	86 %	91 %	0.025 U	2.5 U
1,2-Dichloroethane		0.005 U	0.025 U	81 %	72 %	0.025 U	2.5 U
2-Butanone		0.010 U	0.007 J	50 %	35 * %	0.008 J	2.6 J
Carbon Tetrachloride		0.005 U	0.025 U	87 %	100 %	0.025 U	2.5 U
Trichloroethene		0.005 U	0.025 U	84 %	82 %	0.025 U	2.5 U
Benzene		0.005 U	0.025 U	88 %	94 %	0.025 U	2.5 U
Tetrachloroethene		0.005 U	0.025 U	81 %	91 %	0.025 U	2.5 U
Chlorobenzene		0.005 U	0.025 U	83 %	89 %	0.025 U	2.5 U

*= Outside of EPA CLP QC limits.

Lionville Laboratory, Inc.

Volatiles by GC/MS, TCLP Leachate — Report Date: 12/06/06 11:47

RFW Batch Number: 0611L408 — Client: NSTEC V2805 — Work Order: 60052001001 — Page: 2a

	Cust ID:	252318-WC1		252318-WC1		252318-WC2		VBLKTS		VBLKTS BS		VBLKTT	
Sample Information	RFW#:	008 MS		008 MSD		009		06LVX346-MB1		06LVX346-MB1		06LVX347-MB1	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	500		500		500		1.00		1.00		1.00	
	Units:	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
Surrogate Recovery	Toluene-d8	90	%	87	%	85	%	91	%	95	%	88	%
	Bromofluorobenzene	101	%	114	%	115	%	99	%	95	%	95	%
	1,2-Dichloroethane-d4	91	%	92	%	86	%	88	%	88	%	83	%
			fl		fl		fl		fl		fl		fl
Vinyl Chloride		83	%	77	%	5.0	U	0.010	U	74	%	0.010	U
1,1-Dichloroethene		97	%	94	%	2.5	U	0.005	U	95	%	0.005	U
Chloroform		94	%	94	%	2.5	U	0.005	U	86	%	0.005	U
1,2-Dichloroethane		95	%	94	%	2.5	U	0.005	U	78	%	0.005	U
2-Butanone		85	%	88	%	3.1	J	0.010	U	66	%	0.010	U
Carbon Tetrachloride		100	%	97	%	2.5	U	0.005	U	92	%	0.005	U
Trichloroethene		85	%	86	%	2.5	U	0.005	U	73	%	0.005	U
Benzene		98	%	96	%	2.5	U	0.005	U	91	%	0.005	U
Tetrachloroethene		89	%	84	%	2.5	U	0.005	U	82	%	0.005	U
Chlorobenzene		93	%	90	%	2.5	U	0.005	U	84	%	0.005	U

*= Outside of EPA CLP QC limits.

Lionville Laboratory, Inc.

Volatiles by GC/MS, TCLP Leachate

Report Date: 12/06/06 11:47

RFW Batch Number: **0611L408** Client: **NSTEC V2805** Work Order: 60052001001 Page: 3a

	Cust ID:	**VBLKTT BS**			**LCHBLK**			**LCHBLK**						
Sample Information	RFW#:	**06LVX347-MB1**			**06LTV037-LB1**			**06LTV038-LB1**						
	Matrix:	WATER			WATER			WATER						
	D.F.:	1.00			5.00			5.00						
	Units:	MG/L			MG/L			MG/L						
	Toluene-d8	89	%		86	%		90	%					
Surrogate Recovery	Bromofluorobenzene	90	%		93	%		96	%					
	1,2-Dichloroethane-d4	85	%		84	%		86	%					
Vinyl Chloride		78	%		0.050	U		0.050	U					
1,1-Dichloroethene		105	%		0.025	U		0.025	U					
Chloroform		93	%		0.025	U		0.025	U					
1,2-Dichloroethane		86	%		0.025	U		0.025	U					
2-Butanone		81	%		0.013	J		0.007	J					
Carbon Tetrachloride		99	%		0.025	U		0.025	U					
Trichloroethene		84	%		0.025	U		0.025	U					
Benzene		96	%		0.025	U		0.025	U					
Tetrachloroethene		89	%		0.025	U		0.025	U					
Chlorobenzene		92	%		0.025	U		0.025	U					

*= Outside of EPA CLP QC limits.

Lionville Laboratory, Inc.

Semivolatiles by GC/MS, TCLP Leachate

RFW Batch Number: 0611L408 Client: NSTEC V2805 Work Order: 60052001001 Report Date: 12/06/06 13:56 Page: 1a

	Cust ID:	261902-1WC	261902-2WC	252318-WC1	252318-WC1	252318-WC1	252318-WC2
Sample Information	RFW#:	010	011	012	012 MS	012 MSD	013
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	15.0	21.0	21.0	15.0
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Surrogate Recovery	Nitrobenzene-d5	79 %	40 %	108 %	159 * %	162 * %	125 * %
	2-Fluorobiphenyl	80 %	42 * %	83 %	97 %	114 %	99 %
	p-Terphenyl-d14	81 %	51 %	117 %	117 %	144 * %	133 %
	Phenol-d5	76 %	39 %	104 * %	173 * %	166 * %	108 * %
	2-Fluorophenol	75 %	37 %	97 %	157 * %	147 * %	97 %
	2,4,6-Tribromophenol	81 %	46 %	107 %	103 %	100 %	111 %
Pyridine		0.050 U	0.050 U	150 U	141 %	166 * %	150 U
1,4-Dichlorobenzene		0.050 U	0.050 U	150 U	140 * %	128 * %	150 U
2-Methylphenol		0.050 U	0.050 U	150 U	144 * %	146 * %	150 U
3/4-Methylphenol		0.050 U	0.050 U	150 U	148 * %	151 * %	16 J
Hexachloroethane		0.050 U	0.050 U	150 U	144 * %	140 %	150 U
Nitrobenzene		0.050 U	0.050 U	150 U	137 %	155 * %	150 U
Hexachlorobutadiene		0.050 U	0.050 U	150 U	112 %	121 %	150 U
2,4,6-Trichlorophenol		0.050 U	0.050 U	150 U	103 %	130 %	150 U
2,4,5-Trichlorophenol		0.12 U	0.12 U	380 U	63 %	73 %	380 U
2,4-Dinitrotoluene		0.050 U	0.050 U	150 U	96 %	117 * %	150 U
Hexachlorobenzene		0.050 U	0.050 U	150 U	127 %	139 %	150 U
Pentachlorophenol		0.12 U	0.12 U	380 U	122 * %	172 * %	380 U

*= Outside of EPA CLP QC limits.

Lionville Laboratory, Inc.

Semivolatiles by GC/MS, TCLP Leachate — Report Date: 12/07/06 09:25

RFW Batch Number: 0611L408 — Client: NSTEC V2805 — Work Order: 60052001001 — Page: 2a

	Cust ID:	252318-WC1	252318-WC2	SBLKGA	SBLKGA BS	SBLKFY	SBLKFY BS
Sample Information	RFW#:	012 MSD	013	06LE0959-MB1	06LE0959-MB1	06LE0960-MB1	06LE0960-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	21.0	15.0	1.00	1.00	15.0	21.0
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Surrogate Recovery	Nitrobenzene-d5	162 * %	125 * %	68 %	70 %	92 %	80 %
	2-Fluorobiphenyl	114 %	99 %	65 %	73 %	91 %	82 %
	p-Terphenyl-d14	144 * %	133 %	71 %	74 %	95 %	95 %
	Phenol-d5	166 * %	108 * %	48 %	48 %	86 %	85 %
	2-Fluorophenol	147 * %	97 %	61 %	64 %	83 %	77 %
	2,4,6-Tribromophenol	100 %	111 %	71 %	84 %	91 %	98 %
Pyridine		166 * %	150 U	0.050 U	46 %	150 U	71 %
1,4-Dichlorobenzene		128 * %	150 U	0.050 U	51 %	150 U	84 %
2-Methylphenol		146 * %	150 U	0.050 U	64 %	150 U	79 %
3/4-Methylphenol		151 * %	16 J	0.050 U	63 %	150 U	78 %
Hexachloroethane		140 %	150 U	0.050 U	49 %	150 U	88 %
Nitrobenzene		155 * %	150 U	0.050 U	64 %	150 U	79 %
Hexachlorobutadiene		121 %	150 U	0.050 U	57 %	150 U	92 %
2,4,6-Trichlorophenol		130 %	150 U	0.050 U	66 %	150 U	90 %
2,4,5-Trichlorophenol		73 %	380 U	0.12 U	70 %	380 U	70 %
2,4-Dinitrotoluene		117 * %	150 U	0.050 U	73 %	150 U	81 %
Hexachlorobenzene		139 %	150 U	0.050 U	77 %	150 U	92 %
Pentachlorophenol		172 * %	380 U	0.12 U	92 %	380 U	111 * %

*= Outside of EPA CLP QC limits.

Lionville Laboratory, Inc.

Semivolatiles by GC/MS, TCLP Leachate — Report Date: 12/07/06 09:25

RFW Batch Number: 0611L408 — Client: NSTEC V2805 — Work Order: 60052001001 — Page: 1a

	Cust ID:	261902-1WC		261902-1WC		261902-1WC		261902-2WC		252318-WC1		252318-WC1	
Sample Information	RFW#:	010		010 MS		010 MSD		011		012		012 MS	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		3.00		3.00		1.00		15.0		21.0	
	Units:	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
Surrogate Recovery	Nitrobenzene-d5	79	%	83	%	82	%	40	%	108	%	159 *	%
	2-Fluorobiphenyl	80	%	78	%	76	%	42 *	%	83	%	97	%
	p-Terphenyl-d14	81	%	82	%	96	%	51	%	117	%	117	%
	Phenol-d5	76	%	78	%	89	%	39	%	104 *	%	173 *	%
	2-Fluorophenol	75	%	83	%	85	%	37	%	97	%	157 *	%
	2,4,6-Tribromophenol	81	%	78	%	81	%	46	%	107	%	103	%
Pyridine		0.050	U	62	%	36	%	0.050	U	150	U	141	%
1,4-Dichlorobenzene		0.050	U	70	%	63	%	0.050	U	150	U	140 *	%
2-Methylphenol		0.050	U	83	%	86	%	0.050	U	150	U	144 *	%
3/4-Methylphenol		0.050	U	81	%	83	%	0.050	U	150	U	148 *	%
Hexachloroethane		0.050	U	69	%	58	%	0.050	U	150	U	144 *	%
Nitrobenzene		0.050	U	80	%	80	%	0.050	U	150	U	137	%
Hexachlorobutadiene		0.050	U	73	%	63	%	0.050	U	150	U	112	%
2,4,6-Trichlorophenol		0.050	U	76	%	77	%	0.050	U	150	U	103	%
2,4,5-Trichlorophenol		0.12	U	77	%	79	%	0.12	U	380	U	63	%
2,4-Dinitrotoluene		0.050	U	88	%	93	%	0.050	U	150	U	96	%
Hexachlorobenzene		0.050	U	79	%	84	%	0.050	U	150	U	127	%
Pentachlorophenol		0.12	U	98	%	102	%	0.12	U	380	U	122 *	%

*= Outside of EPA CLP QC limits.

Lionville Laboratory, Inc.

Semivolatiles by GC/MS, TCLP Leachate Report Date: 12/06/06 13:56

RFW Batch Number: 0611L408 Client: NSTEC V2805 Work Order: 60052001001 Page: 2a

	Cust ID:	SBLKGA		SBLKGA BS		SBLKFY		SBLKFY BS		LCHBLK		LCHBLK	
Sample Information	RFW#:	06LE0959-MB1		06LE0959-MB1		06LE0960-MB1		06LE0960-MB1		06LTO097-LB1		06LTF095-LB1	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		15.0		21.0		1.00		21.0	
	Units:	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
Surrogate Recovery	Nitrobenzene-d5	68	%	70	%	92	%	80	%	59	%	125 *	%
	2-Fluorobiphenyl	65	%	73	%	91	%	82	%	61	%	123 *	%
	p-Terphenyl-d14	71	%	74	%	95	%	95	%	70	%	137	%
	Phenol-d5	48	%	48	%	86	%	85	%	56	%	116 *	%
	2-Fluorophenol	61	%	64	%	83	%	77	%	56	%	116 *	%
	2,4,6-Tribromophenol	71	%	84	%	91	%	98	%	67	%	132 *	%
			fl		fl		fl		fl		fl		fl
Pyridine		0.050	U	46	%	150	U	71	%	0.050	U	210	U
1,4-Dichlorobenzene		0.050	U	51	%	150	U	84	%	0.050	U	210	U
2-Methylphenol		0.050	U	64	%	150	U	79	%	0.050	U	210	U
3/4-Methylphenol		0.050	U	63	%	150	U	78	%	0.050	U	210	U
Hexachloroethane		0.050	U	49	%	150	U	88	%	0.050	U	210	U
Nitrobenzene		0.050	U	64	%	150	U	79	%	0.050	U	210	U
Hexachlorobutadiene		0.050	U	57	%	150	U	92	%	0.050	U	210	U
2,4,6-Trichlorophenol		0.050	U	66	%	150	U	90	%	0.050	U	210	U
2,4,5-Trichlorophenol		0.12	U	70	%	380	U	70	%	0.12	U	520	U
2,4-Dinitrotoluene		0.050	U	73	%	150	U	81	%	0.050	U	210	U
Hexachlorobenzene		0.050	U	77	%	150	U	92	%	0.050	U	210	U
Pentachlorophenol		0.12	U	92	%	380	U	111 *	%	0.12	U	520	U

*= Outside of EPA CLP QC limits.

Sample Information		Cust ID:	LCHBLK		LCHBLK	
		RFW#:	06LTO097-LB1		06LTF095-LB1	
		Matrix:	WATER		WATER	
		D.F.:	1.00		15.0	
		Units:	mg/L		mg/L	
Surrogate Recovery	Nitrobenzene-d5		59	%	89	%
	2-Fluorobiphenyl		61	%	88	%
	p-Terphenyl-d14		70	%	98	%
	Phenol-d5		56	%	83	%
	2-Fluorophenol		56	%	83	%
	2,4,6-Tribromophenol		67	%	94	%
Pyridine			0.050	U	150	U
1,4-Dichlorobenzene			0.050	U	150	U
2-Methylphenol			0.050	U	150	U
3/4-Methylphenol			0.050	U	150	U
Hexachloroethane			0.050	U	150	U
Nitrobenzene			0.050	U	150	U
Hexachlorobutadiene			0.050	U	150	U
2,4,6-Trichlorophenol			0.050	U	150	U
2,4,5-Trichlorophenol			0.12	U	380	U
2,4-Dinitrotoluene			0.050	U	150	U
Hexachlorobenzene			0.050	U	150	U
Pentachlorophenol			0.12	U	380	U

*= Outside of EPA CLP QC limits.

Lionville Laboratory, Inc.

DIESEL RANGE ORGANICS BY GC

Report Date: 12/06/06 10:44

RFW Batch Number: **0611L408** Client: **NSTEC V2805** Work Order: 60052001001 Page: 1

	Cust ID:	261902-1WC	261902-1WC	261902-1WC	261902-2WC	BLK	BLK BS
Sample Information	RFW#:	001	001 MS	001 MSD	002	06LE0947-MB1	06LE0947-MB1
	Matrix:	SOLID	SOLID	SOLID	SOLID	SOIL	SOIL
	D.F.:	10.0	10.0	10.0	10.0	1.00	1.00
	Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
p-Terphenyl		I % fl	I % fl	I % fl	I % fl	47 % fl	42 % fl
Diesel Range Organics		0.24E+09	D %	D %	0.45E+09	33300 U	48 %
Motor Oil Range Organics		0.31E+09	0.53E+09	0.62E+09	0.46E+09	100000 U	NS

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Lionville Laboratory, Inc.

GAS RANGE ORGANICS

Report Date: 12/04/06 18:11

RFW Batch Number: **0611L408** Client: **NSTEC V2805** Work Order: 60052001001 Page: 1

	Cust ID:	261902-1WC	261902-1WC	261902-1WC	261902-2WC	TBLKBD	TBLKBD BS
Sample Information	RFW#:	001	001 MS	001 MSD	002	06LVJB29-MB1	06LVJB29-MB1
	Matrix:	SOLID	SOLID	SOLID	SOLID	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Fluorobenzene		71 %	69 %	62 %	57 %	92 %	98 %
Gasoline Range Organics (GRO)		200 J	48 %	42 %	300	90 U	85 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Lionville Laboratory, Inc.

PCBs by GC

Report Date: 12/04/06 19:08

RFW Batch Number: 0611L408 Client: NSTEC V2805 Work Order: 60052001001 Page: 1

	Cust ID:	261902-1WC	261902-1WC	261902-1WC	261902-2WC	252318-WC1	252318-WC1
Sample Information	RFW#:	001	001 MS	001 MSD	002	004	004 MS
	Matrix:	SOLID	SOLID	SOLID	SOLID	OIL	OIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Surrogate:	Tetrachloro-m-xylene	80 %	98 %	99 %	104 %	87 %	87 %
	Decachlorobiphenyl	92 %	112 %	110 %	119 %	113 %	112 %
Aroclor-1016		2000 U	124 %	122 %	2000 U	4000 U	106 %
Aroclor-1221		2000 U	2000 U	2000 U	2000 U	4000 U	4000 U
Aroclor-1232		2000 U	2000 U	2000 U	2000 U	4000 U	4000 U
Aroclor-1242		2000 U	2000 U	2000 U	2000 U	4000 U	4000 U
Aroclor-1248		2000 U	2000 U	2000 U	2000 U	4000 U	4000 U
Aroclor-1254		2000 U	2000 U	2000 U	2000 U	4000 U	4000 U
Aroclor-1260		2000 U	117 %	115 %	2000 U	4000 U	124 %

	Cust ID:	252318-WC1	252318-WC2	PBLKTL	PBLKTL BS	PBLKTO	PBLKTO BS
Sample Information	RFW#:	004 MSD	005	06LE0951-MB1	06LE0951-MB1	06LE0955-MB1	06LE0955-MB1
	Matrix:	OIL	OIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Surrogate:	Tetrachloro-m-xylene	93 %	89 %	103 %	49 %	101 %	98 %
	Decachlorobiphenyl	124 * %	113 %	108 %	55 %	98 %	98 %
Aroclor-1016		121 %	4000 U	130 U	62 %	400 U	110 %
Aroclor-1221		4000 U	4000 U	130 U	130 U	400 U	400 U
Aroclor-1232		4000 U	4000 U	130 U	130 U	400 U	400 U
Aroclor-1242		4000 U	4000 U	130 U	130 U	400 U	400 U
Aroclor-1248		4000 U	4000 U	130 U	130 U	400 U	400 U
Aroclor-1254		4000 U	4000 U	130 U	130 U	400 U	400 U
Aroclor-1260		132 %	4000 U	130 U	57 * %	400 U	116 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked. %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Sample Delivery Group V2806

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NSTec

ANALYTICAL LABORATORY
SERVICES REQUEST AND CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT / CLIENT INFORMATION

Project: CAU 168 | BN Org#: 4330
Charge Number: 58IB09D5
Project Manager: Jeff Smith
Phone: 6-7775 | Fax: 6-7761 | M/S: NTS 306

REPORT & TURNAROUND INFORMATION

Send Report to: Dave Nacht
Phone: 555-1212 | Fax: 7702 | M/S: NTS 306
Turnaround: ( ) Standard – 14 days IH, 28 days Non-rad Env, 45 days Rad Env
(X) RUSH Preliminary by: _____ (IH)
__ 1 __ 2 __ 7 __ 14 (non-Rad Env)
__ 1 __ 7 · X 14 __ 28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAU 168
The samples submitted contain (check);
( ) **Hazardous** - *(list)* _____
( ) **Radioactive** - *(list)* _____
( ) **Unknown** contamination. If known, identify contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

SDG: 176646 (IH) _____ (Non-Rad Env) V2806 (Rad Env)
Samples submitted are associated with a signed Project SOW. (X) YES ( ) NO
Analyses entered here agree with the SOW. (X) YES ( ) NO ( ) N/A
If not, identify the variation: _____
Subcontract Lab(s) used for this work: GEL

Pay Item, Analysis, Method

ID/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres – Analysis eg. HCl - VOCs	NGS-A-002 Gamma Spec							
05 252318 2V1	11/9/06	1145	SOIL	1	500 mL					X							
06 2V2		1150								X							
07 3V1		1140 1205								X							
08 3V2		1140 1200								X							
LAST ITEM																	

CUSTODY TRANSFER

Sampled/Relinquished (print)	Signature	DATE / TIME	Received by (print)	Signature	DATE / TIME
Mike Mohr	/s/: Signature on File	11/9/06 1500	R Fed	/s/: Signature on File	11/9/06 1520
Ben McGee for Relinquished	/s/: Signature on File	11/21/06 10:24	CD. CASTANEDA	/s/: Signature on File	11/21/06 @ 1024
CD CASTANEDA	/s/: Signature on File	11/21/06 @ 1300	Fed Ex	/s/: Signature on File	11/21/06 @ 1300
				/s/: Signature on File	11/22/06 1000

FRM-0732 (11/06)

NSTec

ANALYTICAL LABORATORY

SERVICES REQUEST AND CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT / CLIENT INFORMATION

Project: CAU 168 | BN Org#: H330

Charge Number: 5B1B09D5

Project Manager: Jeff Smith

Phone: 295-7775 | Fax: 295-7761 | M/S: NTS306

REPORT & TURNAROUND INFORMATION

Send Report to: David Nacht

Phone: 295-5577 | Fax: 295-7761 | M/S: NTS306

Turnaround: ( ) Standard – 14 days IH, 28 days Non-rad Env, 45 days Rad Env
(X) RUSH Preliminary by: _____ (IH)
__1 __2 _7 __ 14 (non-Rad Env)
__1 __7 X 14 __ 28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAU 168 CAS 25-23-18
The samples submitted contain (check);
( ) **Hazardous** - *(list)* _____
( ) **Radioactive** - *(list)* _____
(X) **Unknown** contamination. If known, identify contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

SDG: 176646 (IH) _____ (Non-Rad Env) V2806 (Rad Env)
Samples submitted are associated with a signed Project SOW. ( ) YES ( ) NO
Analyses entered here agree with the SOW. ( ) YES ( ) NO ( ) N/A
If not, identify the variation: _____
Subcontract Lab(s) used for this work: GEL

Pay Item, Analysis, Method

GAM-A-002	ASP-A-024	GPC-A-013					
Gamma Sped, ~~Iso U, Sr 89/90~~	~~Ha-Ra~~ Iso U	~~Na-Ra~~ Sr 89/90	Na	Na	Na	Na	Na

ID/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres – Analysis eg. HCl - VOCs							
03 252318-1 WC1	11-15-06	15:09	Oil	1	500 ml				Na	X	X	X				
04 252318-2 WC2	11-15-06	15:40	Oil	1	500 ml				Na	X	X	X				

CUSTODY TRANSFER

Sampled/Relinquished (print)	Signature	DATE / TIME	Received by (print)	Signature	DATE / TIME
David Nacht	/s/: Signature on File	11-15-06 17:20	Sample Refrigerator	NG	11-15-06 17:20
BEN MCREE FOR REFRIGERATOR	/s/: Signature on File	11-21-06 10:25	C.D. CASTANEDA	/s/: Signature on File	11-21-06 @ 1025
C.D. CASTANEDA	/s/: Signature on File	11-21-06 @ 1300	Fed Ex	/s/: Signature on File	11-21-06 @ 1300
			C Crouse	/s/: Signature on File	11/22/06 1000

Retention Code: ENV 5.c(1)

BN-0732 (04/02)

NSTec

ANALYTICAL LABORATORY

SERVICES REQUEST AND CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT / CLIENT INFORMATION

Project: CAU 168 | BN Org#: H330

Charge Number: 5B1B09D5

Project Manager: Jeff Smith

Phone: 295-7775 | Fax: 295-7761 | M/S: NTS306

REPORT & TURNAROUND INFORMATION

Send Report to: David Nacht

Phone: 295-5577 | Fax: 295-7761 | M/S: NTS306

Turnaround: ( ) Standard – 14 days IH, 28 days Non-rad Env, 45 days Rad Env
(X) RUSH Preliminary by: _____ (IH)
__1 __2 _7 _X 14 (non-Rad Env)
__1 __7 X 14 __28 (Radiological Env)

SAMPLE INFORMATION

Sampling Site: CAU 168 CAS 26-19-02

The samples submitted contain (check);

( ) **Hazardous** - *(list)* _____

( ) **Radioactive** - *(list)* _____

(X) **Unknown** contamination. If known, identify contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.

SAMPLE MANAGEMENT INFORMATION

SDG: 176646 (IH) _____ (Non-Rad Env) V2806 (Rad Env)

Samples submitted are associated with a signed Project SOW. (X) YES ( ) NO

Analyses entered here agree with the SOW. (X) YES ( ) NO ( ) N/A

If not, identify the variation: _____

Subcontract Lab(s) used for this work: GEL

Pay Item, Analysis, Method

ID/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAINER #	CONTAINER Est. Vol	QC MD	QC MS	QC MSD	Pres – Analysis eg. HCl - VOCs	NGS-A-002 Gamma Sped, Iso U, Sr 89/90	NAS-A-002 ~~Tc~~ Isotopic U	GPC-A-010 ~~Tc~~ Sr 89/90	Na	Na	Na	Na	Na
001 261902-1WC	11-15-06		Wax	1	500 ml				NA	X	X	X					
002 261902-2WC	11-15-06		Wax	1	500 ml				NA	X	X	X					

CUSTODY TRANSFER

Sampled/Relinquished (print)	Signature	DATE / TIME	Received by (print)	Signature	DATE / TIME
David Nacht	/s/: Signature on File	11-15-06 17:10	Sample Refrigerator	N A	11-15-06 17:10
Ken McGee for Refrigerator	/s/: Signature on File	11-21-06 10:16	C.A. CASTANEDA	/s/: Signature on File	11-21-06 10:16
C.A. CASTANEDA	/s/: Signature on File	11-21-06 1300	Fed Ex	/s/: Signature on File	11-21-06 1300
			C.G. Rowe		11/22/06 0000

Retention Code: ENV 5.c(1)

BN-0732 (04/02)

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
M/S NTS273
North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID:	2523182V1	Project:	NEVA00306
Sample ID:	176646005	Client ID:	NEVA002
Matrix:	Soil		
Collect Date:	09-NOV-06		
Receive Date:	22-NOV-06		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst Date	Time	Batch	Mtd
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid												
Actinium-228		1.25	+/-0.189	0.0861	+/-0.193		pCi/g		MJH1	11/27/06 1636	590854	1
Americium-241	U	0.0621	+/-0.052	0.0871	+/-0.0531	0.200	pCi/g					
Antimony-125	U	-0.0178	+/-0.0394	0.0608	+/-0.0402		pCi/g					
Cerium-144	U	-0.146	+/-0.0835	0.141	+/-0.0852		pCi/g					
Cesium-134	X	0.0638	+/-0.0232	0.0328	+/-0.0236	0.100	pCi/g					
Cesium-137		0.148	+/-0.0255	0.0244	+/-0.026	1.00	pCi/g					
Cobalt-60	U	-0.0104	+/-0.0163	0.0237	+/-0.0166		pCi/g					
Europium-152	U	-0.0447	+/-0.0375	0.0664	+/-0.0383		pCi/g					
Europium-154	U	-0.0438	+/-0.0466	0.0792	+/-0.0476		pCi/g					
Europium-155	U	0.0322	+/-0.049	0.0707	+/-0.050		pCi/g					
Lead-212		1.29	+/-0.109	0.0382	+/-0.111		pCi/g					
Potassium-40		27.4	+/-1.73	0.185	+/-1.77		pCi/g					
Promethium-144	U	0.0115	+/-0.0152	0.024	+/-0.0155		pCi/g					
Promethium-146	U	0.0198	+/-0.0254	0.0277	+/-0.0259		pCi/g					
Ruthenium-106	U	0.064	+/-0.121	0.219	+/-0.123		pCi/g					
Thorium-234	U	0.441	+/-0.517	0.729	+/-0.528		pCi/g					
Uranium-235	U	0.00421	+/-0.0875	0.148	+/-0.0892	0.200	pCi/g					
Uranium-238	U	0.441	+/-0.517	0.729	+/-0.528	2.00	pCi/g					
Yttrium-88	U	0.0023	+/-0.0109	0.0201	+/-0.0111		pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM2	11/24/06	1433	590759

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3

Notes:
The Qualifiers in this report are defined as follows :

* A quality control analyte recovery is outside of specified acceptance criteria
< Result is less than value reported
> Result is greater than value reported

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Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
M/S NTS273
North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 2523182V1
Sample ID: 176646005

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd

A The TIC is a suspected aldol-condensation product
B Target analyte was detected in the associated blank
BD Results are either below the MDC or tracer recovery is low
C Analyte has been confirmed by GC/MS analysis
D Results are reported from a diluted aliquot of the sample
H Analytical holding time was exceeded
J Value is estimated
N/A Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
R Sample results are rejected
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
UI Gamma Spectroscopy--Uncertain identification
X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y QC Samples were not spiked with this compound
^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
h Preparation or preservation holding time was exceeded
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
M/S NTS273
North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID:	2523182V2	Project:	NEVA00306
Sample ID:	176646006	Client ID:	NEVA002
Matrix:	Soil		
Collect Date:	09-NOV-06		
Receive Date:	22-NOV-06		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid													
Actinium-228		1.32	+/-0.118	0.0896	+/-0.120		pCi/g		MJH1	11/27/06	1636	590854	1
Americium-241	U	-0.0785	+/-0.0643	0.120	+/-0.0657	0.200	pCi/g						
Antimony-125	U	0.0447	+/-0.0472	0.0608	+/-0.0482		pCi/g						
Cerium-144	U	0.109	+/-0.0696	0.162	+/-0.071		pCi/g						
Cesium-134	X	0.0704	+/-0.0289	0.0353	+/-0.0295	0.100	pCi/g						
Cesium-137		0.0912	+/-0.0242	0.028	+/-0.0247	1.00	pCi/g						
Cobalt-60	U	0.0123	+/-0.0195	0.027	+/-0.0199		pCi/g						
Europium-152	U	-0.00229	+/-0.0394	0.0693	+/-0.0402		pCi/g						
Europium-154	U	0.0123	+/-0.0529	0.0925	+/-0.054		pCi/g						
Europium-155	U	0.0581	+/-0.0591	0.0827	+/-0.0603		pCi/g						
Lead-212		1.28	+/-0.0456	0.0405	+/-0.047		pCi/g						
Potassium-40		28.3	+/-0.770	0.212	+/-0.797		pCi/g						
Promethium-144	U	0.000301	+/-0.016	0.0249	+/-0.0163		pCi/g						
Promethium-146	U	0.0138	+/-0.0232	0.0307	+/-0.0236		pCi/g						
Ruthenium-106	U	-0.0229	+/-0.122	0.220	+/-0.125		pCi/g						
Thorium-234	U	0.930	+/-0.531	1.03	+/-0.542		pCi/g						
Uranium-235	U	0.0189	+/-0.104	0.160	+/-0.106	0.200	pCi/g						
Uranium-238	U	0.930	+/-0.531	1.03	+/-0.542	2.00	pCi/g						
Yttrium-88	U	0.0143	+/-0.016	0.0216	+/-0.0163		pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM2	11/24/06	1433	590759

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3

Notes:
The Qualifiers in this report are defined as follows :

* A quality control analyte recovery is outside of specified acceptance criteria
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Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
M/S NTS273
North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 2523182V2
Sample ID: 176646006

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd

A The TIC is a suspected aldol-condensation product
B Target analyte was detected in the associated blank
BD Results are either below the MDC or tracer recovery is low
C Analyte has been confirmed by GC/MS analysis
D Results are reported from a diluted aliquot of the sample
H Analytical holding time was exceeded
J Value is estimated
N/A Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
R Sample results are rejected
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
UI Gamma Spectroscopy--Uncertain identification
X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y QC Samples were not spiked with this compound
^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
h Preparation or preservation holding time was exceeded
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
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North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 2523183V1
Sample ID: 176646007
Matrix: Soil
Collect Date: 09-NOV-06
Receive Date: 22-NOV-06
Collector: Client

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid													
Actinium-228		1.33	+/-0.138	0.108	+/-0.141		pCi/g		MJH1	11/27/06	1637	590854	1
Americium-241	U	-0.00606	+/-0.0232	0.0424	+/-0.0237	0.200	pCi/g						
Antimony-125	U	-0.00252	+/-0.0377	0.0698	+/-0.0384		pCi/g						
Cerium-144	U	-0.0221	+/-0.0704	0.134	+/-0.0718		pCi/g						
Cesium-134	U	0.0335	+/-0.0359	0.0409	+/-0.0367	0.100	pCi/g						
Cesium-137	X	0.0564	+/-0.0396	0.0302	+/-0.0404	1.00	pCi/g						
Cobalt-60	U	0.0157	+/-0.0187	0.0343	+/-0.0191		pCi/g						
Europium-152	U	0.0176	+/-0.0507	0.0699	+/-0.0517		pCi/g						
Europium-154	U	0.0355	+/-0.0593	0.107	+/-0.0605		pCi/g						
Europium-155	U	0.0636	+/-0.0476	0.0658	+/-0.0486		pCi/g						
Lead-212		1.12	+/-0.0553	0.0603	+/-0.0567		pCi/g						
Potassium-40		28.9	+/-0.842	0.298	+/-0.871		pCi/g						
Promethium-144	U	-0.00369	+/-0.0161	0.0282	+/-0.0164		pCi/g						
Promethium-146	U	0.0025	+/-0.0182	0.0338	+/-0.0186		pCi/g						
Ruthenium-106	U	-0.0724	+/-0.148	0.260	+/-0.151		pCi/g						
Thorium-234	U	0.414	+/-0.430	0.414	+/-0.439		pCi/g						
Uranium-235	X	0.192	+/-0.0753	0.150	+/-0.0768	0.200	pCi/g						
Uranium-238	U	0.414	+/-0.430	0.414	+/-0.439	2.00	pCi/g						
Yttrium-88	U	0.0135	+/-0.011	0.0163	+/-0.0113		pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM2	11/24/06	1433	590759

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3

Notes:
The Qualifiers in this report are defined as follows :

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Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
M/S NTS273
North Las Vegas, Nevada 89030—4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 2523183V1
Sample ID: 176646007

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd

A The TIC is a suspected aldol-condensation product
B Target analyte was detected in the associated blank
BD Results are either below the MDC or tracer recovery is low
C Analyte has been confirmed by GC/MS analysis
D Results are reported from a diluted aliquot of the sample
H Analytical holding time was exceeded
J Value is estimated
N/A Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
R Sample results are rejected
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
UI Gamma Spectroscopy--Uncertain identification
X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y QC Samples were not spiked with this compound
^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
h Preparation or preservation holding time was exceeded
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
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North Las Vegas, Nevada 89030---4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID:	2523183V2	Project:	NEVA00306
Sample ID:	176646008	Client ID:	NEVA002
Matrix:	Soil		
Collect Date:	09-NOV-06		
Receive Date:	22-NOV-06		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid													
Actinium-228		1.27	+/-0.178	0.085	+/-0.181		pCi/g		MJH1	11/27/06	1637	590854	1
Americium-241	U	0.00747	+/-0.0223	0.0318	+/-0.0228	0.200	pCi/g						
Antimony-125	U	0.0062	+/-0.030	0.056	+/-0.0306		pCi/g						
Cerium-144	U	0.00447	+/-0.057	0.108	+/-0.0581		pCi/g						
Cesium-134	X	0.048	+/-0.0288	0.0327	+/-0.0294	0.100	pCi/g						
Cesium-137	U	0.0201	+/-0.0129	0.0249	+/-0.0132	1.00	pCi/g						
Cobalt-60	U	0.00692	+/-0.0167	0.0307	+/-0.0171		pCi/g						
Europium-152	U	-0.017	+/-0.0362	0.0553	+/-0.0369		pCi/g						
Europium-154	U	0.00201	+/-0.0581	0.0885	+/-0.0593		pCi/g						
Europium-155	X	0.0826	+/-0.0416	0.0505	+/-0.0424		pCi/g						
Lead-212		1.23	+/-0.134	0.0309	+/-0.137		pCi/g						
Potassium-40		28.9	+/-1.93	0.185	+/-1.97		pCi/g						
Promethium-144	U	-0.00542	+/-0.0126	0.0218	+/-0.0128		pCi/g						
Promethium-146	U	0.0168	+/-0.0147	0.0279	+/-0.015		pCi/g						
Ruthenium-106	U	0.0421	+/-0.118	0.214	+/-0.120		pCi/g						
Thorium-234		0.446	+/-0.222	0.302	+/-0.226		pCi/g						
Uranium-235	U	0.0757	+/-0.0965	0.116	+/-0.0984	0.200	pCi/g						
Uranium-238		0.446	+/-0.222	0.302	+/-0.226	2.00	pCi/g						
Yttrium-88	U	-0.00204	+/-0.0107	0.0195	+/-0.0109		pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM2	11/24/06	1433	590759

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3

Notes:
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Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
M/S NTS273
North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 2523183V2
Sample ID: 176646008

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd

A The TIC is a suspected aldol-condensation product
B Target analyte was detected in the associated blank
BD Results are either below the MDC or tracer recovery is low
C Analyte has been confirmed by GC/MS analysis
D Results are reported from a diluted aliquot of the sample
H Analytical holding time was exceeded
J Value is estimated
N/A Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
R Sample results are rejected
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
UI Gamma Spectroscopy--Uncertain identification
X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y QC Samples were not spiked with this compound
^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
h Preparation or preservation holding time was exceeded
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QC Summary

Client : Bechtel Nevada Corp.
2621 Losee Road
M/S NTS273
North Las Vegas, Nevada

Contact: Mr. Ted Redding

Workorder: 176646

Report Date: December 6, 2006

Parmname	NOM	Sample	Qual	QC	Units	RER	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 591083										
QC1201235676 176646001 DUP										
Uranium-233/234		0.0631		0.0271	pCi/g	2.89		(0% - 100%)	AXA1	12/02/06 14:41
	Uncert:	+/-0.0192		+/-0.0128						
	TPU:	+/-0.0205		+/-0.0132						
Uranium-235/236		0.00693		0.00883	pCi/g	0.359		(0% - 100%)		
	Uncert:	+/-0.00679		+/-0.00774						
	TPU:	+/-0.00684		+/-0.0078						
Uranium-238		0.0154		0.0186	pCi/g	0.452		(0% - 100%)		
	Uncert:	+/-0.00912		+/-0.0101						
	TPU:	+/-0.00928		+/-0.0103						
QC1201235677 LCS										
Uranium-233/234				2.37	pCi/g			(75%-125%)		12/02/06 14:41
	Uncert:			+/-0.115						
	TPU:			+/-0.289						
Uranium-235/236				0.110	pCi/g			(75%-125%)		
	Uncert:			+/-0.0316						
	TPU:			+/-0.034						
Uranium-238	2.47			2.53	pCi/g		102	(75%-125%)		
	Uncert:			+/-0.119						
	TPU:			+/-0.307						
QC1201235675 MB										
Uranium-233/234				0.0158	pCi/g					12/02/06 14:41
	Uncert:			+/-0.0109						
	TPU:			+/-0.0111						
Uranium-235/236			U	0.00178	pCi/g					
	Uncert:			+/-0.00603						
	TPU:			+/-0.00604						
Uranium-238			U	0.00863	pCi/g					
	Uncert:			+/-0.00797						
	TPU:			+/-0.00803						
Rad Gamma Spec										
Batch 590854										
QC1201235107 176646005 DUP										
Actinium-228		1.25		1.30	pCi/g	0.353		(0% - 20%)	MJH1	11/27/06 16:38
	Uncert:	+/-0.189		+/-0.189						
	TPU:	+/-0.193		+/-0.193						
Americium-241	U	0.0621	X	0.0599	pCi/g	0.0671		(0% - 100%)		
	Uncert:	+/-0.052		+/-0.0345						
	TPU:	+/-0.0531		+/-0.0352						
Antimony-125	U	-0.0178	U	0.031	pCi/g	1.71		(0%-20%)		
	Uncert:	+/-0.0394		+/-0.038						
	TPU:	+/-0.0402		+/-0.0388						
Cerium-144	U	-0.146	U	-0.018	pCi/g	2.20		(0% - 100%)		

QC Summary

Workorder: 176646

Parmname	NOM	Sample	Qual	QC	Units	RER	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 590854											
	Uncert:	+/-0.0835		+/-0.0736							
	TPU:	+/-0.0852		+/-0.0751							
Cesium-134	X	0.0638	X	0.0778	pCi/g	0.746		(0% - 100%)			
	Uncert:	+/-0.0232		+/-0.0277							
	TPU:	+/-0.0236		+/-0.0282							
Cesium-137		0.148		0.174	pCi/g	1.26		(0% - 100%)			
	Uncert:	+/-0.0255		+/-0.0308							
	TPU:	+/-0.026		+/-0.0314							
Cobalt-60	U	-0.0104	U	0.00801	pCi/g	1.43		(0%-20%)			
	Uncert:	+/-0.0163		+/-0.0186							
	TPU:	+/-0.0166		+/-0.0189							
Europium-152	U	-0.0447	U	0.00335	pCi/g	1.68		(0%-20%)			
	Uncert:	+/-0.0375		+/-0.0401							
	TPU:	+/-0.0383		+/-0.0409							
Europium-154	U	-0.0438	U	-0.0117	pCi/g	0.833		(0% - 100%)			
	Uncert:	+/-0.0466		+/-0.0575							
	TPU:	+/-0.0476		+/-0.0586							
Europium-155	U	0.0322	X	0.0723	pCi/g	1.10		(0% - 20%)			
	Uncert:	+/-0.049		+/-0.0505							
	TPU:	+/-0.050		+/-0.0515							
Lead-212		1.29		1.28	pCi/g	0.103		(0% - 20%)			
	Uncert:	+/-0.109		+/-0.127							
	TPU:	+/-0.111		+/-0.129							
Potassium-40		27.4		27.9	pCi/g	0.376		(0% - 20%)			
	Uncert:	+/-1.73		+/-1.81							
	TPU:	+/-1.77		+/-1.85							
Promethium-144	U	0.0115	U	0.00987	pCi/g	0.142		(0% - 20%)			
	Uncert:	+/-0.0152		+/-0.0155							
	TPU:	+/-0.0155		+/-0.0158							
Promethium-146	U	0.0198	U	0.0131	pCi/g	0.404		(0% - 20%)			
	Uncert:	+/-0.0254		+/-0.0188							
	TPU:	+/-0.0259		+/-0.0192							
Ruthenium-106	U	0.064	U	0.0502	pCi/g	0.145		(0% - 20%)			
	Uncert:	+/-0.121		+/-0.139							
	TPU:	+/-0.123		+/-0.142							
Thorium-234	U	0.441		0.564	pCi/g	0.359		(0% - 20%)			
	Uncert:	+/-0.517		+/-0.405							
	TPU:	+/-0.528		+/-0.413							
Uranium-235	U	0.00421	U	0.0332	pCi/g	0.423		(0% - 100%)			
	Uncert:	+/-0.0875		+/-0.0984							
	TPU:	+/-0.0892		+/-0.100							
Uranium-238	U	0.441		0.564	pCi/g	0.359		(0% - 100%)			
	Uncert:	+/-0.517		+/-0.405							
	TPU:	+/-0.528		+/-0.413							
Yttrium-88	U	0.0023	U	0.0123	pCi/g	1.04		(0% - 20%)			
	Uncert:	+/-0.0109		+/-0.015							
	TPU:	+/-0.0111		+/-0.0153							

QC1201235108 LCS

QC Summary

Workorder: 176646

Parmname	NOM	Sample	Qual	QC	Units	RER	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 590854											
Actinium-228			U	0.362	pCi/g						
	Uncert:			+/-0.621							
	TPU:			+/-0.634							
Americium-241	23.4			24.4	pCi/g		104	(75%-125%)			
	Uncert:			+/-1.46							
	TPU:			+/-1.49							
Antimony-125			U	-0.137	pCi/g						
	Uncert:			+/-0.267							
	TPU:			+/-0.272							
Cerium-144			U	0.379	pCi/g						
	Uncert:			+/-0.523							
	TPU:			+/-0.534							
Cesium-134			U	-0.0357	pCi/g						
	Uncert:			+/-0.144							
	TPU:			+/-0.147							
Cesium-137	9.52			9.82	pCi/g		103	(75%-125%)			
	Uncert:			+/-0.463							
	TPU:			+/-0.475							
Cobalt-60	14.0			14.1	pCi/g		101	(75%-125%)			
	Uncert:			+/-0.679							
	TPU:			+/-0.696							
Europium-152			U	0.276	pCi/g						
	Uncert:			+/-0.275							
	TPU:			+/-0.281							
Europium-154			U	0.0471	pCi/g						
	Uncert:			+/-0.281							
	TPU:			+/-0.287							
Europium-155			U	0.331	pCi/g						
	Uncert:			+/-0.313							
	TPU:			+/-0.319							
Lead-212			U	0.159	pCi/g						
	Uncert:			+/-0.138							
	TPU:			+/-0.141							
Potassium-40			U	-0.00209	pCi/g						
	Uncert:			+/-0.882							
	TPU:			+/-0.900							
Promethium-144			U	0.0596	pCi/g						
	Uncert:			+/-0.126							
	TPU:			+/-0.128							
Promethium-146			U	0.042	pCi/g						
	Uncert:			+/-0.137							
	TPU:			+/-0.140							
Ruthenium-106			U	-0.041	pCi/g						
	Uncert:			+/-0.971							
	TPU:			+/-0.991							
Thorium-234			U	1.12	pCi/g						
	Uncert:			+/-3.81							
	TPU:			+/-3.88							

QC Summary

Workorder: 176646

Parmname	NOM	Sample	Qual	QC	Units	RER	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 590854											
Uranium-235			U	0.398	pCi/g						
	Uncert:			+/-0.448							
	TPU:			+/-0.457							
Uranium-238			U	1.12	pCi/g						
	Uncert:			+/-3.81							
	TPU:			+/-3.88							
Yttrium-88				3.83	pCi/g						
	Uncert:			+/-0.376							
	TPU:			+/-0.384							
QC1201235106 MB											
Actinium-228			U	0.0139	pCi/g					11/27/06	16:37
	Uncert:			+/-0.0387							
	TPU:			+/-0.0395							
Americium-241			U	0.00194	pCi/g						
	Uncert:			+/-0.0171							
	TPU:			+/-0.0175							
Antimony-125			U	0.00478	pCi/g						
	Uncert:			+/-0.0162							
	TPU:			+/-0.0165							
Cerium-144			U	-0.0117	pCi/g						
	Uncert:			+/-0.027							
	TPU:			+/-0.0275							
Cesium-134			U	-0.00367	pCi/g						
	Uncert:			+/-0.00649							
	TPU:			+/-0.00662							
Cesium-137			U	0.00353	pCi/g						
	Uncert:			+/-0.00996							
	TPU:			+/-0.0102							
Cobalt-60			U	0.00662	pCi/g						
	Uncert:			+/-0.0136							
	TPU:			+/-0.0138							
Europium-152			U	-0.00995	pCi/g						
	Uncert:			+/-0.0154							
	TPU:			+/-0.0158							
Europium-154			U	0.0158	pCi/g						
	Uncert:			+/-0.0147							
	TPU:			+/-0.015							
Europium-155			U	0.00323	pCi/g						
	Uncert:			+/-0.0146							
	TPU:			+/-0.0149							
Lead-212			X	0.0966	pCi/g						
	Uncert:			+/-0.0142							
	TPU:			+/-0.0145							
Potassium-40			X	0.152	pCi/g						
	Uncert:			+/-0.160							
	TPU:			+/-0.163							
Promethium-144			U	-0.00225	pCi/g						
	Uncert:			+/-0.00649							

QC Summary

Workorder: 176646

Parmname	NOM	Sample	Qual	QC	Units	RER	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 590854										
	TPU:			+/-0.00663						
Promethium-146			U	0.00377	pCi/g					
	Uncert:			+/-0.00798						
	TPU:			+/-0.00814						
Ruthenium-106			U	-0.000796	pCi/g					
	Uncert:			+/-0.0536						
	TPU:			+/-0.0547						
Thorium-234			U	0.0886	pCi/g					
	Uncert:			+/-0.319						
	TPU:			+/-0.325						
Uranium-235			U	0.0486	pCi/g					
	Uncert:			+/-0.0314						
	TPU:			+/-0.032						
Uranium-238			U	0.0886	pCi/g					
	Uncert:			+/-0.319						
	TPU:			+/-0.325						
Yttrium-88			U	0.0078	pCi/g					
	Uncert:			+/-0.00582						
	TPU:			+/-0.00594						
Rad Gas Flow										
Batch 591087										
QC1201235679 176646001 DUP										
Strontium-89	U	-0.109	U	-0.116	pCi/g	0.0744		(0% - 100%)	KSD1	11/29/06 18:06
	Uncert:	+/-0.0575		+/-0.0508						
	TPU:	+/-0.138		+/-0.141						
Strontium-90	U	0.0953	U	0.069	pCi/g	0.182		(0% - 100%)		
	Uncert:	+/-0.111		+/-0.115						
	TPU:	+/-0.196		+/-0.203						
QC1201235680 LCS										
Strontium-89	375			350	pCi/g		94	(75%-125%)		11/29/06 18:06
	Uncert:			+/-0.982						
	TPU:			+/-16.6						
Strontium-90	26.6			22.1	pCi/g		83	(75%-125%)		
	Uncert:			+/-0.753						
	TPU:			+/-1.72						
QC1201235678 MB										
Strontium-89			U	-0.131	pCi/g					11/29/06 09:37
	Uncert:			+/-0.0331						
	TPU:			+/-0.077						
Strontium-90			U	-0.0995	pCi/g					
	Uncert:			+/-0.068						
	TPU:			+/-0.121						

Notes:
The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
Result is less than value reported

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QC Summary

Workorder: 176646

Parmname	NOM	Sample	Qual	QC	Units	RER	REC%	Range	Anlst	Date	Time

<	
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	Target analyte was detected in the associated blank
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
H	Analytical holding time was exceeded
J	Value is estimated
N/A	Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
UI	Gamma Spectroscopy--Uncertain identification
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.
** Indicates analyte is a surrogate compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

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Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
M/S NTS273
North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 252318-WC1
Sample ID: 176646003
Matrix: Oil
Collect Date: 15-NOV-06
Receive Date: 22-NOV-06
Collector: Client

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
Rad Alpha Spec Analysis													
Alphaspec U, Solid													
Uranium-233/234		0.359	+/-0.0493	0.00528	+/-0.064	0.020	pCi/g		MXA1	12/02/06	1441	591083	1
Uranium-235/236		0.0457	+/-0.0195	0.00653	+/-0.0202	0.020	pCi/g						
Uranium-238		0.438	+/-0.0545	0.00528	+/-0.0738	0.020	pCi/g						
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid													
Actinium-228	U	0.0676	+/-0.0503	0.0976	+/-0.0513		pCi/g		MJH1	11/27/06	1635	590854	3
Americium-241	U	-0.00071	+/-0.0542	0.0843	+/-0.0553	0.200	pCi/g						
Antimony-125	U	0.00203	+/-0.0333	0.0585	+/-0.034		pCi/g						
Cerium-144	U	-0.0221	+/-0.0667	0.111	+/-0.0681		pCi/g						
Cesium-134	U	0.0062	+/-0.0156	0.0275	+/-0.016	0.100	pCi/g						
Cesium-137	U	0.00787	+/-0.0141	0.0248	+/-0.0144	1.00	pCi/g						
Cobalt-60	U	-2.660E-06	+/-0.0142	0.0254	+/-0.0144		pCi/g						
Europium-152	U	-0.00435	+/-0.0355	0.0619	+/-0.0362		pCi/g						
Europium-154	U	-0.00235	+/-0.0437	0.0675	+/-0.0446		pCi/g						
Europium-155	U	0.0167	+/-0.0555	0.0532	+/-0.0567		pCi/g						
Lead-212	X	0.0728	+/-0.0234	0.0422	+/-0.0238		pCi/g						
Potassium-40	X	0.469	+/-0.166	0.359	+/-0.169		pCi/g						
Promethium-144	U	0.00532	+/-0.0142	0.0249	+/-0.0145		pCi/g						
Promethium-146	U	-0.00304	+/-0.017	0.0293	+/-0.0173		pCi/g						
Ruthenium-106	U	-0.00368	+/-0.116	0.201	+/-0.119		pCi/g						
Thorium-234	X	0.831	+/-0.957	0.672	+/-0.976		pCi/g						
Uranium-235		0.132	+/-0.116	0.132	+/-0.119	0.200	pCi/g						
Uranium-238	X	0.831	+/-0.957	0.672	+/-0.976	2.00	pCi/g						
Yttrium-88	U	0.00584	+/-0.0082	0.0321	+/-0.00837		pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr89&Sr90, Solid													
Strontium-89	U	-0.381	+/-0.0607	0.127	+/-0.167	1.00	pCi/g		KSD1	11/29/06	0937	591087	4
Strontium-90	U	0.258	+/-0.144	0.421	+/-0.256	1.00	pCi/g						

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, U-02-RC Modified
2	DOE EML HASL-300, U-02-RC Modified

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Certificate of Analysis

Company : Bechtel Nevada Corp.
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North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 252318-WC1
Sample ID: 176646003

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
3	EML HASL 300, 4.5.2.3												
4	EPA 905.0 Modified												

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Uranium-232	Alphaspec U, Solid	65	(25%-125%)
Strontium-89	GFPC, Sr89&Sr90, Solid	88	(25%-125%)
Strontium-90	GFPC, Sr89&Sr90, Solid	88	(25%-125%)
Carrier/Tracer Recovery	GFPC, Sr89&Sr90, Solid	88	(25%-125%)

Notes:
The Qualifiers in this report are defined as follows :

* A quality control analyte recovery is outside of specified acceptance criteria
< Result is less than value reported
> Result is greater than value reported
A The TIC is a suspected aldol-condensation product
B Target analyte was detected in the associated blank
BD Results are either below the MDC or tracer recovery is low
C Analyte has been confirmed by GC/MS analysis
D Results are reported from a diluted aliquot of the sample
H Analytical holding time was exceeded
J Value is estimated
N/A Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
R Sample results are rejected
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
UI Gamma Spectroscopy--Uncertain identification
X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y QC Samples were not spiked with this compound
^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
h Preparation or preservation holding time was exceeded
The above sample is reported on an "as received" basis.

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Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
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North Las Vegas, Nevada 89030—4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 252318-WC2
Sample ID: 176646004
Matrix: Oil
Collect Date: 15-NOV-06
Receive Date: 22-NOV-06
Collector: Client

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
Rad Alpha Spec Analysis													
Alphaspec U, Solid													
Uranium-233/234		0.398	+/-0.0452	0.0102	+/-0.063	0.020	pCi/g		MXA1	12/02/06	1441	591083	1
Uranium-235/236		0.0246	+/-0.0133	0.0126	+/-0.0135	0.020	pCi/g						
Uranium-238		0.366	+/-0.0435	0.0127	+/-0.0594	0.020	pCi/g						
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid													
Actinium-228	U	0.0392	+/-0.0528	0.0978	+/-0.0539		pCi/g		MJH1	11/27/06	1635	590854	3
Americium-241	U	0.0352	+/-0.0804	0.122	+/-0.082	0.200	pCi/g						
Antimony-125	U	0.0294	+/-0.0364	0.0646	+/-0.0371		pCi/g						
Cerium-144	U	0.0133	+/-0.0714	0.117	+/-0.0729		pCi/g						
Cesium-134	U	-0.0044	+/-0.0154	0.0267	+/-0.0158	0.100	pCi/g						
Cesium-137	U	0.0014	+/-0.0143	0.0255	+/-0.0146	1.00	pCi/g						
Cobalt-60	U	-0.00404	+/-0.0138	0.0248	+/-0.0141		pCi/g						
Europium-152	U	0.0289	+/-0.0521	0.0652	+/-0.0532		pCi/g						
Europium-154	U	-0.0113	+/-0.0406	0.0727	+/-0.0414		pCi/g						
Europium-155	U	-0.00974	+/-0.0368	0.0595	+/-0.0375		pCi/g						
Lead-212	U	0.0342	+/-0.0229	0.0409	+/-0.0233		pCi/g						
Potassium-40	X	0.385	+/-0.177	0.354	+/-0.181		pCi/g						
Promethium-144	U	0.00943	+/-0.0144	0.0263	+/-0.0147		pCi/g						
Promethium-146	U	0.0127	+/-0.0184	0.0249	+/-0.0188		pCi/g						
Ruthenium-106	U	-0.0377	+/-0.148	0.224	+/-0.151		pCi/g						
Thorium-234	U	0.254	+/-0.972	0.911	+/-0.992		pCi/g						
Uranium-235	U	0.0815	+/-0.0744	0.132	+/-0.0759	0.200	pCi/g						
Uranium-238	U	0.254	+/-0.972	0.911	+/-0.992	2.00	pCi/g						
Yttrium-88	U	-0.00343	+/-0.017	0.0303	+/-0.0173		pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr89&Sr90, Solid													
Strontium-89	U	-0.132	+/-0.0669	0.122	+/-0.148	1.00	pCi/g		KSD1	11/29/06	0937	591087	4
Strontium-90	U	0.0629	+/-0.116	0.372	+/-0.205	1.00	pCi/g						

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, U-02-RC Modified
2	DOE EML HASL-300, U-02-RC Modified
3	EML HASL 300, 4.5.2.3

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Certificate of Analysis

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North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 252318-WC2
Sample ID: 176646004

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
4 EPA 905.0 Modified													

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Uranium-232	Alphaspec U, Solid	87	(25%-125%)
Strontium-89	GFPC, Sr89&Sr90, Solid	97	(25%-125%)
Strontium-90	GFPC, Sr89&Sr90, Solid	95	(25%-125%)
Carrier/Tracer Recovery	GFPC, Sr89&Sr90, Solid	95	(25%-125%)
Carrier/Tracer Recovery	GFPC, Sr89&Sr90, Solid	97	(25%-125%)

Notes:
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* A quality control analyte recovery is outside of specified acceptance criteria
< Result is less than value reported
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B Target analyte was detected in the associated blank
BD Results are either below the MDC or tracer recovery is low
C Analyte has been confirmed by GC/MS analysis
D Results are reported from a diluted aliquot of the sample
H Analytical holding time was exceeded
J Value is estimated
N/A Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
R Sample results are rejected
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
UI Gamma Spectroscopy--Uncertain identification
X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y QC Samples were not spiked with this compound
^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
h Preparation or preservation holding time was exceeded
The above sample is reported on an "as received" basis.

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Certificate of Analysis

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Address : 2621 Losee Road
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North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID:	261902-1WC	Project:	NEVA00306
Sample ID:	176646001	Client ID:	NEVA002
Matrix:	Misc Solid		
Collect Date:	15-NOV-06		
Receive Date:	22-NOV-06		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
Rad Alpha Spec Analysis													
Alphaspec U, Solid													
Uranium-233/234		0.0631	+/-0.0192	0.0134	+/-0.0205	0.020	pCi/g		MXA1	12/02/06	1441	591083	1
Uranium-235/236		0.00693	+/-0.00679	0.0052	+/-0.00684	0.020	pCi/g						
Uranium-238		0.0154	+/-0.00912	0.00421	+/-0.00928	0.020	pCi/g						
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid													
Actinium-228	U	0.0899	+/-0.192	0.148	+/-0.196		pCi/g		MJH1	11/27/06	1634	590854	3
Americium-241	U	0.151	+/-0.119	0.158	+/-0.122	0.200	pCi/g						
Antimony-125	U	-0.000433	+/-0.079	0.127	+/-0.0807		pCi/g						
Cerium-144	U	0.0898	+/-0.135	0.226	+/-0.138		pCi/g						
Cesium-134	U	0.0351	+/-0.0293	0.0506	+/-0.0299	0.100	pCi/g						
Cesium-137	X	0.0721	+/-0.0527	0.0484	+/-0.0537	1.00	pCi/g						
Cobalt-60	U	0.00887	+/-0.0293	0.0545	+/-0.0299		pCi/g						
Europium-152	U	-0.00518	+/-0.0767	0.124	+/-0.0783		pCi/g						
Europium-154	U	0.0873	+/-0.101	0.140	+/-0.103		pCi/g						
Europium-155	U	0.0498	+/-0.0636	0.108	+/-0.0649		pCi/g						
Lead-212	U	0.0279	+/-0.0828	0.0725	+/-0.0845		pCi/g						
Potassium-40	X	0.626	+/-0.802	0.472	+/-0.818		pCi/g						
Promethium-144	U	0.0213	+/-0.0398	0.0467	+/-0.0406		pCi/g						
Promethium-146	U	0.00964	+/-0.0344	0.0566	+/-0.0351		pCi/g						
Ruthenium-106	U	0.0186	+/-0.241	0.417	+/-0.246		pCi/g						
Thorium-234	U	0.669	+/-1.94	1.21	+/-1.98		pCi/g						
Uranium-235	U	0.0892	+/-0.239	0.236	+/-0.244	0.200	pCi/g						
Uranium-238	U	0.669	+/-1.94	1.21	+/-1.98	2.00	pCi/g						
Yttrium-88	U	-0.0117	+/-0.0288	0.0497	+/-0.0294		pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr89&Sr90, Solid													
Strontium-89	U	-0.109	+/-0.0575	0.106	+/-0.138	1.00	pCi/g		KSD1	11/29/06	0938	591087	4
Strontium-90	U	0.0953	+/-0.111	0.347	+/-0.196	1.00	pCi/g						

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, U-02-RC Modified
2	DOE EML HASL-300, U-02-RC Modified

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Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
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North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 261902-1WC
Sample ID: 176646001

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
3	EML HASL 300, 4.5.2.3												
4	EPA 905.0 Modified												

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Uranium-232	Alphaspec U, Solid	79	(25%-125%)
Strontium-89	GFPC, Sr89&Sr90, Solid	80	(25%-125%)
Strontium-90	GFPC, Sr89&Sr90, Solid	98	(25%-125%)
Carrier/Tracer Recovery	GFPC, Sr89&Sr90, Solid	80	(25%-125%)
Carrier/Tracer Recovery	GFPC, Sr89&Sr90, Solid	98	(25%-125%)

Notes:
The Qualifiers in this report are defined as follows :

* A quality control analyte recovery is outside of specified acceptance criteria
< Result is less than value reported
> Result is greater than value reported
A The TIC is a suspected aldol-condensation product
B Target analyte was detected in the associated blank
BD Results are either below the MDC or tracer recovery is low
C Analyte has been confirmed by GC/MS analysis
D Results are reported from a diluted aliquot of the sample
H Analytical holding time was exceeded
J Value is estimated
N/A Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
R Sample results are rejected
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
UI Gamma Spectroscopy--Uncertain identification
X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y QC Samples were not spiked with this compound
^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
h Preparation or preservation holding time was exceeded
The above sample is reported on an "as received" basis.

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
M/S NTS273
North Las Vegas, Nevada 89030—4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 261902-2WC
Sample ID: 176646002
Matrix: Misc Solid
Collect Date: 15-NOV-06
Receive Date: 22-NOV-06
Collector: Client

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
Rad Alpha Spec Analysis													
Alphaspec U, Solid													
Uranium-233/234		0.016	+/-0.0103	0.0111	+/-0.0104	0.020	pCi/g		MXA1	12/02/06	1441	591083	1
Uranium-235/236		0.0108	+/-0.00862	0.00539	+/-0.00871	0.020	pCi/g						
Uranium-238		0.0116	+/-0.00901	0.0111	+/-0.0091	0.020	pCi/g						
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid													
Actinium-228	U	0.132	+/-0.0867	0.167	+/-0.0885		pCi/g		MJH1	11/27/06	1635	590854	3
Americium-241	U	0.00739	+/-0.0873	0.121	+/-0.0891	0.200	pCi/g						
Antimony-125	U	0.0323	+/-0.0511	0.0908	+/-0.0521		pCi/g						
Cerium-144	U	0.000943	+/-0.149	0.156	+/-0.152		pCi/g						
Cesium-134	U	0.00564	+/-0.0229	0.0416	+/-0.0234	0.100	pCi/g						
Cesium-137	U	0.012	+/-0.0224	0.0394	+/-0.0228	1.00	pCi/g						
Cobalt-60	U	-0.00858	+/-0.0246	0.0417	+/-0.0251		pCi/g						
Europium-152	U	-0.0225	+/-0.0545	0.0914	+/-0.0556		pCi/g						
Europium-154	U	-0.00199	+/-0.0601	0.107	+/-0.0614		pCi/g						
Europium-155	U	0.00282	+/-0.0541	0.0889	+/-0.0552		pCi/g						
Lead-212	U	0.0398	+/-0.0567	0.0527	+/-0.0578		pCi/g						
Potassium-40	U	0.071	+/-0.349	0.196	+/-0.356		pCi/g						
Promethium-144	U	0.0065	+/-0.026	0.039	+/-0.0265		pCi/g						
Promethium-146	U	-0.0279	+/-0.025	0.0393	+/-0.0255		pCi/g						
Ruthenium-106	U	0.0575	+/-0.195	0.338	+/-0.199		pCi/g						
Thorium-234	U	1.04	+/-0.747	1.16	+/-0.763		pCi/g						
Uranium-235	U	0.0204	+/-0.161	0.170	+/-0.164	0.200	pCi/g						
Uranium-238	U	1.04	+/-0.747	1.16	+/-0.763	2.00	pCi/g						
Yttrium-88	U	-0.000999	+/-0.0284	0.052	+/-0.029		pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr89&Sr90, Solid													
Strontium-89	U	-0.363	+/-0.0342	0.0795	+/-0.108	1.00	pCi/g		KSD1	11/29/06	0938	591087	4
Strontium-90		0.307	+/-0.0997	0.264	+/-0.177	1.00	pCi/g						

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, U-02-RC Modified
2	DOE EML HASL-300, U-02-RC Modified
3	EML HASL 300, 4.5.2.3

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Bechtel Nevada Corp.
Address : 2621 Losee Road
M/S NTS273
North Las Vegas, Nevada 89030--4134
Contact: Mr. Ted Redding
Project: Environmental Rad Analysis - No EDD

Report Date: December 6, 2006

Client Sample ID: 261902-2WC
Sample ID: 176646002

Project: NEVA00306
Client ID: NEVA002

Parameter	Qualifier	Result	Uncertainty	DL	TPU	RL	Units	DF	Analyst	Date	Time	Batch	Mtd
4 EPA 905.0 Modified													

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Uranium-232	Alphaspec U, Solid	77	(25%-125%)
Strontium-89	GFPC, Sr89&Sr90, Solid	103	(25%-125%)
Strontium-90	GFPC, Sr89&Sr90, Solid	87	(25%-125%)
Carrier/Tracer Recovery	GFPC, Sr89&Sr90, Solid	103	(25%-125%)
Carrier/Tracer Recovery	GFPC, Sr89&Sr90, Solid	87	(25%-125%)

Notes:
The Qualifiers in this report are defined as follows :

* A quality control analyte recovery is outside of specified acceptance criteria
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N/A Spike recovery limits do not apply. Sample concentration exceeds spike concentration by 4X or more
R Sample results are rejected
U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
UI Gamma Spectroscopy--Uncertain identification
X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y QC Samples were not spiked with this compound
^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL
h Preparation or preservation holding time was exceeded
The above sample is reported on an "as received" basis.

APPENDIX C

AS-BUILT DOCUMENTATION

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NATIONAL NUCLEAR SECURITY ADMINISTRATION

NEVADA SITE OFFICE

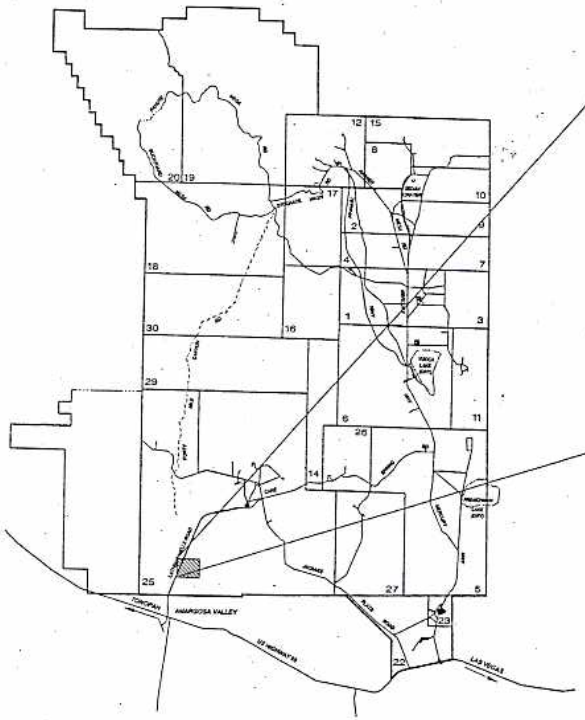
LAS VEGAS, NEVADA

CAU 168, CAS 25-16-03
MX LANDFILL SOIL COVER

AREA 25

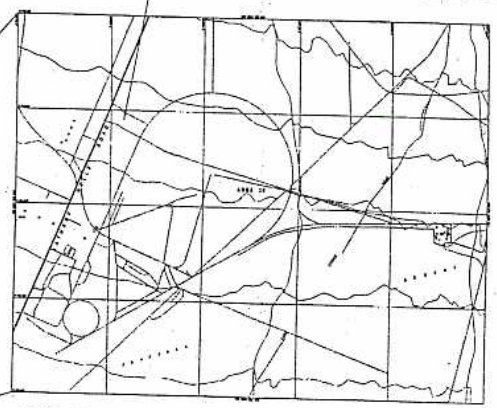
DRAWING INDEX

DRAWING NUMBER		DRAWING TITLE
TITLE		
05032-025-CAU168-T1	REV 1	TITLE SHEET
05032-025-CAU168-T2	REV 1	NOTES, LEGEND & SYMBOLS
05032-025-CAU168-T3	REV 1	STANDARD ABBREVIATIONS
CIVIL		
05032-025-CAU168-C1	REV 1	VICINITY MAP
05032-025-CAU168-C2	REV 1	SITE & GRADING PLAN
05032-025-CAU168-C3	REV 1	GRADING SECTIONS & DETAILS
05032-025-CAU168-C4	REV 1	FENCE DETAILS
05032-025-CAU168-C5	REV 1	MATERIALS ASSIGNMENT SCHEDULE



NEVADA TEST SITE

NOT TO SCALE



CAU 168 MX LANDFILL VICINITY MAP

NOT TO SCALE

SCOPE OF WORK

REMOVE EXISTING AREA FENCING. CONSTRUCT ENGINEERED SOIL COVER TO A MINIMUM DEPTH OF 2' ABOVE HIGHEST ELEVATION AND 2:4% SLOPE.

PROJECT NOTES

ALL CONSTRUCTION FEATURES, MATERIALS, TESTS AND DETAILS SHALL CONFORM TO "NSDOENV STANDARD SPECIFICATIONS, DATED DECEMBER 1994" AND THE APPROVED CAU 168 CLOSURE PLAN (CAP).

GS

CAUTION NOTE:

INFORMATION SHOWN ON THESE DRAWINGS MIGHT NOT REFLECT CURRENT CONDITIONS OF FACILITY OR STRUCTURE. PERSONNEL SHALL USE CAUTION WHEN PERFORMING WORK BASED ON THE EXISTING INFORMATION SHOWN ON THE DRAWINGS.

NEVADA TEST SITE

AREA 25

CAU 168, CAS 25-16-03

MX LANDFILL SOIL COVER

TITLE SHEET

NAS

Bechtel Nevada

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CIVIL SYMBOLS, LEGEND AND NOTES

SYMBOL	DESCRIPTION
N 710,000 E 700,000	NEVADA STATE COORDINATE SYSTEM
N01°30'30"E	CENTER LINE BEARING
(3935)	EXISTING CONTOUR
35	FINISH CONTOUR
(3934.00)	EXISTING SPOT ELEVATION
3935.00 FG	FINISH GRADE ELEVATION
5+00	CENTER LINE W/STATIONS
	AREA BOUNDARY LINE
	EXISTING DIRT ROAD
	EDGE OF EXISTING PAVING
	EDGE OF NEW PAVING
	EDGE EXISTING CONCRETE PAD
	EXISTING EARTH
	COMPACTED EARTH
	AGGREGATE BASE COURSE
	EXISTING FLOW LINE
	NEW FLOW LINE
	EXISTING AREA LIGHTING POLE
	NEW AREA LIGHTING POLE
	EXISTING POWER POLE
	EXISTING PAVEMENT REMOVAL
	EXISTING BUILDING OR STRUCTURE
	EXISTING CULVERT
	NEW CULVERT
x x	EXISTING FENCE
x x	NEW FENCE
	EXISTING SURVEY MONUMENT
CUG	EXISTING COMMUNICATIONS UNDERGROUND
POH	EXISTING POWER OVERHEAD
PUG	EXISTING POWER UNDERGROUND
CUG	NEW COMMUNICATIONS UNDERGROUND
POH	NEW POWER OVERHEAD
PUG	NEW POWER UNDERGROUND
8" W	EXISTING WATER LINE W/SIZE
4" S	EXISTING SEWER LINE W/SIZE
8" W	NEW WATER LINE W/SIZE
4" S	NEW SEWER LINE W/SIZE
	EXISTING FIRE HYDRANT
	EXISTING POST INDICATOR VALVE
	NEW FIRE HYDRANT
	NEW POST INDICATOR VALVE
	DELTA (CENTRAL ANGLE)

GENERAL NOTES

1. CONSTRUCTION SHALL CONFIRM ALL EXISTING DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCING WORK AND REPORT ALL DISCREPANCIES TO THE PROJECT MANAGER OR DESIGNATED REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
2. DO NOT SCALE DRAWINGS- NUMERICAL DIMENSIONS SHALL TAKE PRECEDENCE.
3. WHEREVER MATERIALS OR EQUIPMENT ITEMS ARE SPECIFIED BY BRAND NAME AND/OR MODEL NUMBER, ALTERNATE PRODUCTS, EQUAL IN QUALITY AND UTILITY TO THOSE SPECIFIED, MAY BE USED SUBJECT TO APPROVAL OF THE PROJECT ENGINEER OR DESIGNATED REPRESENTATIVE.
4. ALL OF THE CONSTRUCTION SHOWN ON THESE DRAWINGS IS NEW AND INCLUDED IN THE CONTRACT UNLESS SHOWN "EXST" OR "NIC".
5. ALL CONSTRUCTION INTERFERENCE SHALL BE REPORTED TO THE PROJECT MANAGER OR HIS DESIGNATED REPRESENTATIVE FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
7. LATEST EDITIONS OF REFERENCES CITED IN THESE NOTES SHALL APPLY.

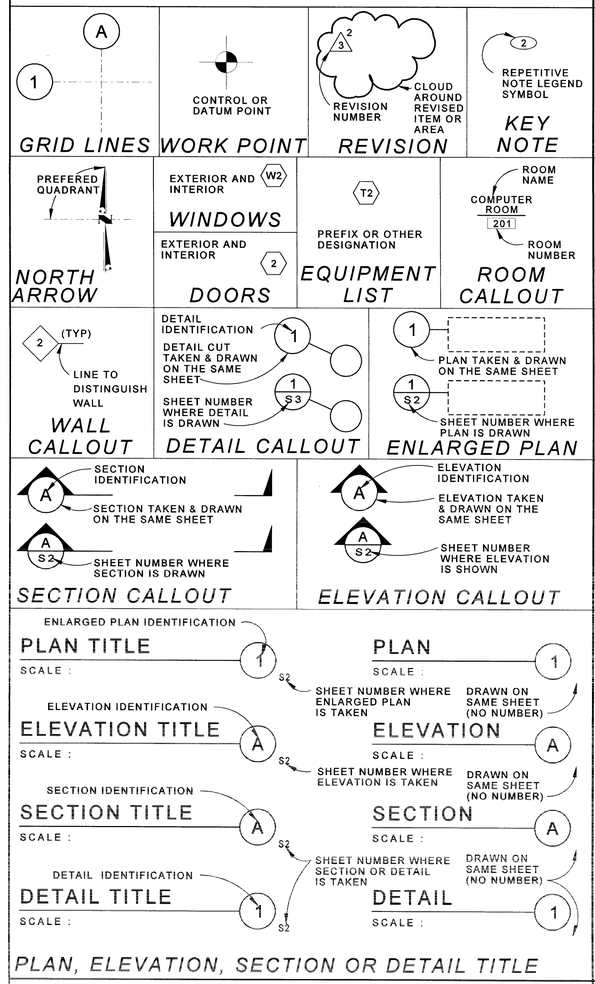
PROJECT SPECIFIC NOTES

1. BASIS FOR HORIZONTAL CONTROL: NORTH AMERICAN DATUM 1927, NEVADA STATE COORDINATE SYSTEM, CENTRAL ZONE. BASIS FOR VERTICAL CONTROL: NORTH AMERICAN VERTICAL DATUM 1929, NEVADA STATE COORDINATE SYSTEM, CENTRAL ZONE.
2. ALL EXISTING UNDERGROUND UTILITIES WITHIN THE CONSTRUCTION SITE SHALL BE LOCATED BY MEANS OF AN ELECTORNIC METAL DETECTION DEVICE AND MARKED. THIS INFORMATION MUST BE SUBMITTED WITH THE EXCAVATION PERMIT. AN EXCAVATION AND BLIND PENETRATION PERMIT IS REQUIRED PRIOR TO CONSTRUCTION.
3. TOP OF COVER SHALL HAVE A HORIZONTAL DIMENSIONAL TOLERANCE OF PLUS OR MINUS 6" AND A VERTICAL TOLERANCE OF PLUS 3" OR MINUS 0".
4. ALL GRADE ELEVATIONS SHOWN ARE FINISH GRADES, UNLESS OTHERWISE NOTED.
5. REMOVE LUMPED SURFACE SOIL AND ROCKS OVER 6 INCHES IN DIAMETER.
6. FIELD DENSITY TEST SHALL BE PERFORMED IN THREE (3) RANDOMLY SELECTED LOCATIONS PER ACRE.
7. REMOVE ALL VEGETATION PRIOR TO INSTALLATION OF THE COVER.
8. TEMPORARY FENCING SHALL BE INSTALLED, AS REQUIRED, AT THE DIRECTION OF THE ES&H OFFICER. NEW POST FENCING, AS DETAILED ON DWG #05032-025-CAU168-C4, TO BE ERECTED, UPON COMPLETION OF COVER INSTALLATION.
9. SUBMIT AS-BUILT SURVEY DATA SHOWING DIMENSIONS, LOCATIONS, BEARINGS, BREAK LINES, PLANIMETRICS AND ELEVATIONS FOR THE FINAL CONFIGURATIONS OF SOIL COVER AREA.
10. SURVEY DATA SHALL BE SUBMITTED TO ENGINEERING IN ASCII FILE FORMAT WITH COPY OF FIELD SURVEY SKETCH AND CONTAIN SUFFICIENT DATA POINTS TO CREATE DIGITAL TERRAIN (DTM) MODELS OF SOIL COVER AREA TO FACILITATE AS-BUILT DRAWINGS FOR THE PROJECT.

DEMOLITION NOTES

1. WHERE DEMOLITION OCCURS, CONSTRUCTION SHALL PROTECT EXISTING STRUCTURES, DOORS, ELECTRICAL SYSTEMS, AND MECHANICAL SYSTEMS FROM BEING DAMAGED. PROTECTION SHALL BE IN THE FORM OF DUST COVERS, BARRIERS, OR OTHER MEANS DEEMED APPROPRIATE.
2. ALL DEBRIS, NON-SALVAGEABLE MATERIALS, AND EXCESS SPOILAGE SHALL BE REMOVED FROM THE JOB SITE AND DISPOSED OF AT THE NEAREST APPROVED SANITARY LANDFILL. ALL SALVAGEABLE MATERIALS NOT REQUIRED FOR THIS PROJECT, AS DETERMINED BY THE USER, SHALL BE DELIVERED TO PROPERTY MANAGEMENT FOR THEIR DISPOSITION.
3. ANY WASTE MATERIAL DETERMINED BY THE ENVIRONMENTAL COMPLIANCE OFFICE OR THE INDUSTRIAL HYGIENE OFFICE TO BE HAZARDOUS SHALL BE DISPOSED OF IN ACCORDANCE WITH THEIR REQUIREMENTS.
4. ANY WASTE MATERIAL DETERMINED BY THE WASTE MANAGEMENT DEPARTMENT AND RADIOLOGICAL CONTROL ORGANIZATION TO BE RADIOLOGICALLY CONTAMINATED SHALL BE DISPOSED OF IN ACCORDANCE WITH THEIR REQUIREMENTS.
5. ALL DEMOLITION, INCLUDING EXCAVATION WORK, SHALL BE PERFORMED IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) 29 CFR PART 1926 SUBPART-T DEMOLITION AND SUBPART-P EXCAVATION.
6. CONSTRUCTION SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO DEMOLITION.
7. ALL WORK SHALL BE SCHEDULED TO PROCEED IN A MANNER AS TO CAUSE MINIMUM DISTURBANCE TO PERSONNEL AND EQUIPMENT IN AND AROUND BUILDINGS AND SHALL MAINTAIN SAFE WORKING CONDITIONS AT ALL TIMES.

DRAWING SYMBOLS



NO	DATE	REVISIONS	DESIGNED	CHECKED	ENGIN GROUP SUPVR	PROJ ENGR	APPROVER
1	10/23/06	AS CONSTRUCTED, NO CHANGE	JLH	CKH	[illegible]	[illegible]	N/A

National Security Technologies LLC
NEVADA OPERATIONS
P.O. BOX 98521 LAS VEGAS, NV 89193-8521

NO	DATE	ISSUED FOR CONSTRUCTION	DESIGNED	CHECKED	ENGR GROUP SUPERV	PROJ ENGR	USER OTHER
0	05/18/05	REVISION DESCRIPTION					

APPROVALS: BLOCK (PRINT NAME AND INITIAL)

		DATE
ENGINEERING GROUP SUPERVISOR	JAS	05/17/05
PROJECT ENGINEER	SR	05/17/05
USER/OTHER	N/A	05/17/05

ORIGINAL SIGNATURES ON FILE

DESIGNED	CHECKED	DRAWN	ENGINEERING NUMBER	3M PROJECT NUMBER
LL	CB	LL	05032.A25	

NEVADA TEST SITE — AREA 25
CAU 168, CAS 25-16-03
MX LANDFILL SOIL COVER

NOTES, LEGEND & SYMBOLS

National Nuclear Security Administration
NEVADA SITE OFFICE

Bechtel Nevada
P.O. BOX 98521 LAS VEGAS, NV 89193-8521

DRAWING NUMBER
05032-025-CAU168-T2

SHEET OF REV 1

GS

FOR REFERENCE DRAWINGS SEE 05032-025-CAU168-T1

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ABBREVIATIONS

GENERAL

ABANDON	ABDN
ABBREVIATION	ABBR
ABOVE FINISH FLOOR	AFF
ABOVE FINISH GRADE	AFG
ADMINISTRATION	ADMIN
AGGREGATE	AGGR
AIR CONDITIONING	A/C
ALTERNATE	ALT
ALUMINUM	AL
AMERICAN NATIONAL STANDARDS INSTITUTE	ANSI
AMERICAN SOCIETY FOR TESTING AND MATERIALS	ASTM
AMERICAN SOCIETY OF SANITARY ENGINEERS	ASSE
AMERICAN WATER WORKS ASSOCIATION	AWWA
ANCHOR BOLT	AB
AND	&
APPROVED	APVD
APPROXIMATE	APPROX
ARCHITECT/ENGINEER	A/E
ASBESTOS CEMENT PIPE	ACP
ASPHALT	ASPH
ASPHALT CEMENT	AC
AT	@
AUTOMATIC	AUTO
AUXILIARY	AUX
AVERAGE	AVG
BEAM	BM
BECHTEL NEVADA	BN
BELOW FINISH GRADE	BFG
BITUMINOUS	BITMUM
BLOCK	BLK
BLOCKING	BLKG
BOREHOLE	BH
BOTTOM	BOT
BRACING	BRCG
BRACKET	BRKT
BUILDING	BLDG
BURIED CABLE	BC
CAST IRON	CI
CATALOG	CAT
CAULKING	CLKG
CEILING	CLG
CEMENT	CEM
CENTER	CTR
CENTER LINE	℄
CENTER OF CIRCLE	CC
CENTER TO CENTER	C TO C
CIRCULAR	CIRC
CLEAR	CLR
CLEANOUT	CO
CODE OF FEDERAL REGULATORS	CFR
COLUMN	COL
COMBINATION	COMB
COMMUNICATIONS	COMM/C
COMPARTMENT	COMPT
CONCRETE	CONC
CONCRETE MASONRY UNITS	CMU
CONNECTION	CONN
CONSTRUCTION	CONSTR
CONSTRUCTION JOINT	CJ
CONSTRUCTION SPECIFICATION	CON SPEC
CONTINUATION/CONTINUOUS	CONT
CONTROL JOINT	CLJ
COPPER	CU
CORNER	COR
CORPORATION	CORP
CORRUGATION	CORR
COUNTERSUNK	CTSK
COUNCIL OF AMERICAN BUILDING OFFICIALS	CABO
CUBIC FOOT	CFT
CUBIC METER	CM
CUBIC YARD	CY
DATED	DTD
DETAIL	DET
DEGREE	DEG
DEPARTMENT OF ENERGY	DOE
DIAGONAL	DIAG
DIAMETER	DIA
DIMENSION	DIM
DISTRIBUTION	DIST
DOUBLE	DBL
DOWN	DN
DRAWING	DWG
DUCTILE IRON	DI
EACH	EA
EAST	E
ELECTRIC/ELECTRICAL	ELEC
ELECTRIC HEATER	EH
ELECTRIC WATER COOLER	EWC
ELECTRIC WATER HEATER	EWH
ELECTRIC UNIT HEATER	EUH
ELEVATION	EL
EMERGENCY	EMER
ENCLOSURE	ENCL
ENGINEER	ENGR
ENTRANCE	ENTR
EQUAL	EQL
EQUIPMENT	EQPT
EXHAUST	EXH
EXISTING	EXST
EXPANSION	EXP
EXPANSION JOINT	EXP JT
EXPOSED	EXP
EXTERIOR	EXT
FACILITY	FACIL
FACTORY MUTUAL	FM
FEET	FT
FIBER OPTICS	FO
FIELD	FLD
FINISH	FNSH
FINISH FLOOR	FF
FINISH GRADE	FG
FIRE	F
FIRE ALARM CONTROL PANEL	FACP
FIRE HYDRANT	FHY
FIRE PROTECTION	FP
FIRST	1ST
FITTING	FTG
FIXTURE	FXTR
FLANGED	FLG
FLOOR	FL
FOOT	FT
FOOTING	FTG
FOUNDATION	FDN
FUEL OIL RETURN	FOR
FUEL OIL SUPPLY	FOS
FUEL OIL VENT	FOV
FUTURE	FUT
GAGE OR GAUGE	GA
GALLONS/HOUR	GPH
GALLONS/MINUTE	GPM
GALVANIZED	GALV
GALVANIZED IRON	GALVI
GATE VALVE	GTV
GENERAL	GENL
GOVERNMENT	GOVT
GOVERNMENT FURNISHED EQUIPMENT	GFE
GRADE	GR
GRATING	GRTG
HAND RAIL	HNDRL
HAZARDOUS WASTE	HAZ W
HEATING, VENTILATING AND AIR CONDITIONING	HVAC
HEIGHT	HGT
HIGH POINT	HPT
HORIZONTAL	HORIZ
HORSEPOWER	HP
HOUR	HR
INCH	IN
INSIDE DIAMETER	ID
INSULATION	INSUL
INVERT	INV
JOINT	JT
LAVATORY	LAV
LEFT	LT
LENGTH	LG
LIGHTING	LTG
LINEAR FOOT	LF
LINEAR METER	LM
LIQUEFIED PETROLEUM GAS	LPG
LONG	LG
LOW POINT	LP
MACHINE	MACH
MAGNETIC	MAG
MAINTENANCE	MAINT
MANHOLE	MH
MANUFACTURER	MFR
MANUFACTURING	MFG
MATERIAL	MATL
MAXIMUM	MAX
MECHANICAL	MECH
MEMBRANE	MEMB
METAL	MET
METER/METRIC	M
METRIC TON	MTON
MEZZANINE	MEZZ
MILE	MI
MILIMETER	MM
MILLION GALLONS PER DAY	MGD
MINIMUM	MIN
MISCELLANEOUS	MISC
MOUNT(ING) (ED)	MT(G)(D)
NATIONAL FIRE PROTECTION ASSOCIATION	NFPA
NATIONAL PIPE THREAD	NPT
NEVADA	NV
NEVADA TEST SITE	NTS
NON RISING STEM	NRS
NOMINAL	NOM
NORMAL	NORM
NORTH	N
NOT IN CONTRACT	NIC
NOT TO SCALE	NTS
NUMBER	NO #
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	OSHA
ON CENTER	OC
OPENING	OPNG
OPPOSITE	OPP
OUTSIDE DIAMETER	OD
OUTSIDE STEM & YOKE	OS & Y
OVERHEAD	OVHD
PAIR	PR
PAVEMENT	PVMT
PLATE	PL
POINT	PT
POLE	P
POLYVINYL CHLORIDE	PVC
POUNDS	LBS
POUNDS/SQUARE FOOT	PSF
POUND/SQUARE INCH	PSI
POWER	P
POWER POLE	PP
POWER OVERHEAD	POH
POWER UNDERGROUND	PUG
PREFABRICATED	PREFAB
PRESSURE	PRESS
PROJECT ENGINEER	PE
QUANTITY	QTY
RADIUS	RAD/R
REFERENCE	REF
REINFORCED CONCRETE BOX	RCB
REINFORCING	REINF
REQUIRED	REQD
REVISIONS/REVERSE	REV
RIGHT	R
RIGID STEEL	RS
ROAD	RD
ROOF	RF
ROOF DRAIN	RD
ROOF DRAIN OVERFLOW	RDOF
ROOM	RM
ROUGH	RGH
ROUGH OPENING	RO
ROUND	RND
SANITARY SEWER	SS
SCHEDULE	SCH
SECOND	2ND SEC
SECTION	SECT
SHEET METAL	SH MET
SIMILAR	SIM
SOUTH/SEWER	S
SPACE	SPA
SPARE	SPR
SPECIFICATION	SPEC
SPIGOT	SP
SQUARE	SQ
STANDARD	STD
STATION	STA
STEAM	ST
STEEL	STL
SUBGRADE	SG
SUBSTATION	SUBSTA
SYMMETRICAL	SYMM
TANGENT/TELEPHONE	T
THICK	THK
TEMPORARY	TEMP
TOP OF CONCRETE	TOC
TYPICAL	(TYP)
UNDERGROUND	UGND
UNDERWRITERS LABORATORIES	UL
UNFINISHED	UNFIN
UNIFORM BUILDING CODE	UBC
UNIFORM PLUMBING CODE	UPC
UNITED STATES	US
UNLESS OTHERWISE NOTED	UON
UNLESS OTHERWISE SPECIFIED	UOS
URINAL	UR
VACUUM	VAC
VENTILATOR	VENT
VERTICAL	VERT
VITRIFIED CLAY PIPE	VCP
VOLUME	VOL
WATER CLOSET	WC
WATERPROOF	WTRPRF
WEATHERPROOF	WP
WEIGHT	WT
WEST/WATER/WASTE	W
WIDTH	WD
WITH	W/
WITHOUT	W/O
YARD	YD

CIVIL

AGGREGATE	AGGR
AMERICAN SOCIETY OF CIVIL ENGINEERS	ASCE
ARC LENGTH	L
BEGIN CURVE	BC
BEGIN VERTICAL CURVE	BVC
BOTTOM OF SLOPE	BOS
CONTROL POINT	CONT PT
CORRUGATED METAL PIPE	CMP
CORRUGATED METAL PIPE ARCH	CMPA
END CURVE	EC
END VERTICAL CURVE	EVC
HIGH POINT	HI PT
HIGHWAY	HWY
LINEAR FEET	LF
LINEAR METERS	LM
POINT OF CURVE	PC
POINT OF INTERSECTION	PI
POINT OF TANGENCY	PT
POINT OF VERTICAL CURVE	PVC
POINT OF VERTICAL INTERSECTION	PVI
POINT OF VERTICAL REVERSE CURVE	PVRC
POINT OF VERTICAL TANGENCY	PVT
SLOPE	S
SHOULDER	SHLDR
TOP OF MANHOLE	TMH
VERTICAL CURVE	VC

FOR REFERENCE DRAWINGS SEE 05032-025-CAU168-T1

NO	DATE	REVISIONS
0	05/18/05	ISSUED FOR CONSTRUCTION
1	10/23/06	AS CONSTRUCTED, NO CHANGE

National Security Technologies, LLC
P.O. BOX 98521, LAS VEGAS, NV 89193-8521

APPROVAL BLOCK (PRINT NAME AND INITIAL)

DESIGNED	LL	05/17/05
CHECKED	LL	05/17/05
DRAWN	CB	05/17/05
BY PROJECT NUMBER	LL	05/17/05

ENGINEERING GROUP SUPERVISOR — DATE
PROJECT ENGINEER — DATE
USER — DATE
ENGINEERING NUMBER — ORIGINAL SCHEMATICS ON FILE

AREA 25

NEVADA TEST SITE

CAU 168, CAS 25-16-03

MX LANDFILL SOIL COVER

STANDARD ABBREVIATIONS

National Nuclear Security Administration
NEVADA SITE OFFICE

Bechtel Nevada
P.O. BOX 98521, LAS VEGAS, NV 89193-8521

DRAWING NUMBER
05032-025-CAU168-T3

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EXST C-LINE ROAD
(UNPAVED ROAD)

NEW FENCE

LIMITS OF COVER
EARTHWORK

(2900)

(2895)

(2880)

LATHROP WELLS ROAD

EXST MX PROJECT TEST
ROAD LOOP (UNPAVED
ROAD)

EXST MX SILOS

EXST UNPAVED ACCESS ROADS
TO TEST ROAD LOOP

GRAPHIC SCALE
0 50 100 200 300 FEET
1" = 100'

FOR REFERENCE DRAWINGS SEE 05032-025-CAU168-T1

NO	DATE	REVISIONS	DESIGNED	CHECKED	ENGR SUPVR	PRJ ENGR	APPROVER
1	10/23/06	AS CONSTRUCTED. INCORPORATED FCN 06-0057					

National Security Technologies LLC
MANAGED OPERATED BY
P.O. BOX 98521, LAS VEGAS, NEVADA 89193-8521

NO	DATE	REVISION DESCRIPTION	DESIGNED	CHECKED	ENGR SUPVR	PRJ ENGR	USER OTHER
0	05/18/05	ISSUED FOR CONSTRUCTION					

APPROVAL BLOCK (PRINT NAME AND INITIAL)

DATE	ENGINEERING GROUP SUPERVISOR	DATE
05/17/05	JAS	05/17/05
DATE	PROJECT ENGINEER	DATE
05/17/05	SR	05/17/05
DATE	USER/OTHER	DATE
05/17/05	N/A	

ORIGINAL SIGNATURES ON FILE

DESIGNED LL
CHECKED CB
DRAWN LL
ENGINEERING NUMBER 05032 A25

NEVADA TEST SITE — AREA 25
CAU 168, CAS 25-16-03
MX LANDFILL SOIL COVER
VICINITY MAP

National Nuclear Security Administration
NEVADA SITE OFFICE

Bechtel Nevada
P.O. BOX 98521 LAS VEGAS, NV 89193-8521

DRAWING NUMBER
05032-025-CAU168-C1

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NW COR OF NEW FENCE
N 713,204.67
E 583,128.43

1 / C4

NW COR OF COVER
N 713,118.48
E 583,146.87
EL 2905.36

ROAD

WELLS

LATHROP

APPROX LIMITS
OF EARTHWORK

NEW FENCE TO BE
CONSTRUCTED AFTER COVER
INSTALLATION

2905
2904.82 (2897.80)
2904.51 (2897.19)
2903.88 (2896.98)
2903.79 (2897.89)
A / C3
2903.43 (2896.62)
2903.12 (2897.43)
2902.56 (2897.94)
2902.40 (2896.16)
2901.96 (2896.06)
2901.24 (2898.00)
2902.33 (2896.05)
2901.59 (2895.83)
2901.37 (2895.75)
2900.92 (2895.37)
2900.80 (2897.48)
2900.36 (2897.71)
2901.15 (2896.48)
2900.77 (2896.36)
2900.43 (2894.75)
2900.03 (2895.03)
2899.53 (2895.03)
2900.35 (2894.90)
2900.05 (2894.69)
2899.84 (2894.98)
2900
2899.61 (2893.72)
2899.05 (2896.33)
2899.30 (2894.40)
2899.43 (2894.33)
2898.90 (2893.91)
2899.03 (2894.16)
2898.64 (2893.81)
2898.47 (2895.16)
2898.43 (2893.76)
2898.13 (2893.93)
2897.71 (2894.79)
2898.06 (2893.77)
2897.68 (2893.60)
2897.43 (2893.19)
2897.40 (2893.36)
2897.21 (2894.02)
2896.83 (2893.21)
2896.32 (2893.22)
2895
2895.91 (2893.25)

50.00' (TYP)

NE COR OF COVER
N 712,952.65
E 583,331.65
EL 2900.36

NE COR OF NEW FENCE
N 712,962.10
E 583,380.02

APPROX NE EDGE OF RIP-RAP
N 712,948.33
E 583,341.67

UNPAVED ROAD

NEW RIP-RAP TO BE INSTALLED
ALONG SOUTHERN AND EASTERN
SIDESLOPES OF LANDFILL COVER.
SEE DWG 05032-025-CAU168-C3
FOR DETAILS

B / C3

SW COR OF COVER
N 712,737.32
E 583,018.82
EL 2897.24

SW COR OF NEW FENCE
N 712,716.84
E 583,971.12

UNPAVED ACCESS ROAD

APPROX SW EDGE OF RIP-RAP
N 712,719.65
E 583,010.15

SE COR OF COVER
N 712,678.29
E 583,185.81
EL 2896.59

SE COR OF NEW FENCE
N 712,628.42
E 583,204.50

2 / C4

RELOCATE EXST COMM PEDESTAL C09
PRIOR TO COVER INSTALLATION
SEE NOTE 6

NOTES

1. REMOVE ALL VEGETATION PRIOR TO INSTALLATION OF THE COVER.
2. ALL NATIVE FILL SHALL BE GRANULAR MATERIAL, FREE OF TRASH, ORGANIC MATERIAL, OR ANY OTHER CONTAMINATION. COMPACT FILL IN LAYERS OF 12" MAXIMUM COMPACTED THICKNESS TO A MINIMUM OF 85% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT BASED ON ASTM 1557. BORROW MATERIAL SHALL MEET, AT MINIMUM, MATERIALS TESTING LABORATORY LAB# 561. (1)
3. SOUTHERN AND EASTERN SIDESLOPES OF COVER SHALL BE COVERED WITH CLASS 300 RIP-RAP AS SPECIFIED ON DRAWING 05032-025-CAU168-C3.
4. COVER SIDES SHALL BE SLOPED 4H:1V AND MEET EXISTING GRADE.
5. BN CONSTRUCTION TO SUBMIT TSR FOR VERIZON TO LOCATE AND DOCUMENT EXISTING COMM LINE. RELOCATE AND REPLACE COMM PEDESTAL PRIOR TO EARTHWORK COVER INSTALLATION.
6. BN CONSTRUCTION TO REMOVE EXISTING POST FENCING AND ERECT PERMANENT POST FENCING AS DETAILED ON DWG 05032-025-CAU168-C4.
7. BN CONSTRUCTION TO COORDINATE WITH ENVIRONMENTAL RESTORATION (ER) ON MARKER REMOVAL AND REINSTALLATION, IF REQUIRED.

GRAPHIC SCALE
0 30 60 90 FEET
1" = 30'
CONTOUR INTERVAL = 1'

SITE & GRADING PLAN
SCALE : 1" = 30'

FOR REFERENCE DRAWINGS SEE 05032-025-CAU168-T1

NO	DATE	REVISIONS	DESIGNED	CHECKED	ENGR'G SUPVR	PROJ ENGR	APPROVED
1	10/23/06	AS CONSTRUCTED, INCORPORATED FCR 05-0365 AND FCN 06-0057	JLH	CW	CB	CB	
0	05/18/05	ISSUED FOR CONSTRUCTION					

National Security Technologies, LLC
P.O. BOX 98521, LAS VEGAS, NEVADA 89193-8521
(702) 295-3211

NO	DATE	REVISION/DESCRIPTION	DESIGNED	CHECKED	ENGR'G SUPVR	PROJ ENGR	USER OTHER

APPROVAL BLOCK (PRINT NAME AND INITIAL)

		DATE
DESIGNED	LL	05/17/05
ENGINEERING GROUP SUPERVISOR	JAS	05/17/05
CHECKED	CB	05/17/05
PROJECT ENGINEER	SR	05/17/05
DRAWN	LL	05/17/05
USER/OTHER	N/A	
BN PROJECT NUMBER	05032.A25	
ENVIRONMENTAL NUMBER		

ORIGINAL DRAWING ON FILE

NEVADA TEST SITE — AREA 25
CAU 168, CAS 25-16-03
MX LANDFILL SOIL COVER
SITE & GRADING PLAN

National Nuclear Security Administration
NEVADA SITE OFFICE

Bechtel Nevada
P.O. BOX 98521, LAS VEGAS, NV 89193-8521

DRAWING NUMBER
05032-025-CAU168-C2

SHEET OF REV 1

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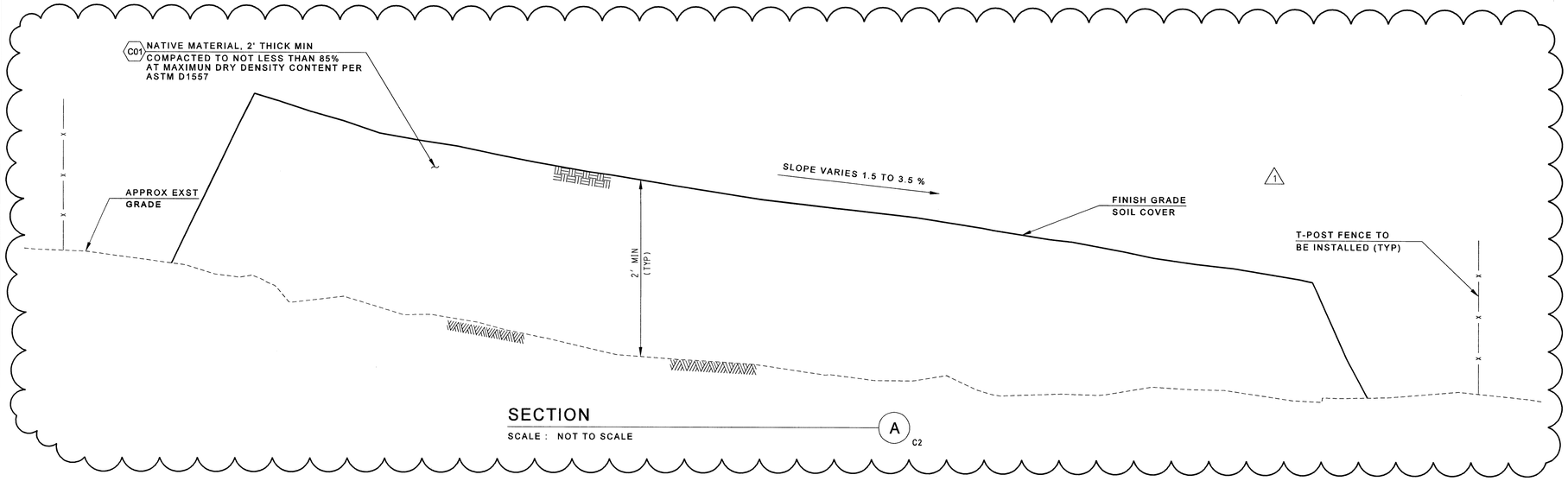


SECTION

SCALE : NOT TO SCALE

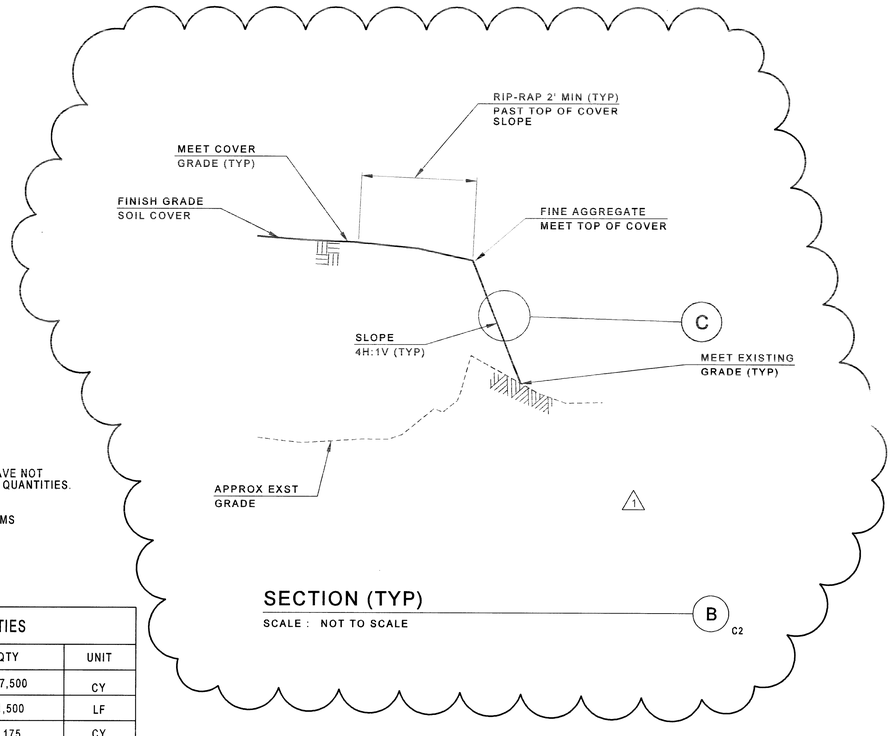
A C2

NOTES

1. GEOTEXTILE FILTER FABRIC SHALL BE PLACED PER CLARK COUNTY AREA NEVADA UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS SECTION 610.03.02. GEOTEXTILE SHALL BE NONWOVEN NEEDLE PUNCHED WITH AN APPARENT OPENING SIZE (AOS) OF 0.150 mm AND A PUNCTURE STRENGTH OF 100 POUNDS.
2. 6 INCH LAYER OF FINE AGGREGATE (NDOT 706.03.03) SHALL BE PLACED ON TOP OF FILTER FABRIC TO ACT AS A CUSHION WHEN PLACING RIP-RAP.
3. USE CLASS 300 RIP-RAP PER NDOT SPECIFICATION 706.03.05. PLACEMENT OF RIP-RAP SHALL FOLLOW CLARK COUNTY AREA NEVADA UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS - SLOPE AND CHANNEL PROTECTION, SECTION 610.03.03. 1

NDOT RIP-RAP ROCK GRADATION		
	150 RIP-RAP	300 RIP-RAP
% PASSING BY WEIGHT	SIZE (IN)	SIZE (IN)
100	10	20
35-50	6	12
5-15	2	5

- ROUNDED TO THE NEAREST INCH.
- WEIGHT OF SPHERICAL STONE= 110LB/CU FT (LOOSE MATERIAL).
- WEIGHT OF FINE AGGREGATE CUSHION (0.187 INCH PARTICLE SIZE) = 93 LB/CU FT (LOOSE MATERIAL)
- THICKNESS TO BE 2 FEET FOR CLASS 300 RIP-RAP. 1



SECTION (TYP)

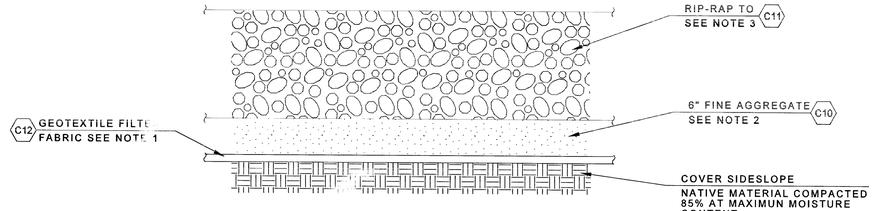
SCALE : NOT TO SCALE

B C2

NOTES

1. COMPACTION AND EXPANSION FACTORS HAVE NOT BEEN APPLIED TO PROPOSED EARTHWORK QUANTITIES.
2. QUANTITIES PROVIDED ARE FOR BECHTEL NEVADA ESTIMATING PURPOSES ONLY. ITEMS LISTED ARE NOT ALL INCLUSIVE.

ESTIMATED QUANTITIES		
DESCRIPTION	QTY	UNIT
EARTHWORK VOLUME	17,500	CY
FENCE LENGTH	1,500	LF
FINE AGGREGATE (6" THICK)	175	CY
RIP-RAP (CLASS 300, 2' THICK) 1	650 (APPROX)	CY
GEOTEXTILE FABRIC	3500	SQ FT



DETAIL

SCALE : NOT TO SCALE

C

GS

FOR REFERENCE DRAWINGS SEE 05032-025-CAU168-T1

NO	DATE	REVISIONS	DESIGNED	CHECKED	ENGR / PROJ SUPVR	PROJ ENGR	APPROVER
1	10/23/06	AS CONSTRUCTED, INCORPORATED FCN 06-0057	TLH	CVH	JAS	JAS	

National Security Technologies LLC
P.O. BOX 98521 LAS VEGAS, NEVADA 89193-8521

NO	DATE	REVISION DESCRIPTION	DESIGNED	CHECKED	ENGR / PROJ SUPVR	PROJ ENGR	USER OTHER
0	05/18/05	ISSUED FOR CONSTRUCTION					

APPROVAL BLOCK (PRINT NAME AND INITIAL)

	DATE		DATE
DESIGNED		ENVIRONMENTAL GROUP SUPERVISOR	05/17/05
LL CHECKED	05/17/05	JAS PROJECT ENGINEER	05/17/05
CB DRAWN	05/17/05	SR USER/OTHER	05/17/05
LL BN PROJECT NUMBER	05/17/05	N/A ENGINEERING NUMBER	ORIGINAL BSAR DRAWING SHEET SIZE
		05032.A25	

NEVADA TEST SITE — AREA 25
CAU 168, CAS 25-16-03
MX LANDFILL SOIL COVER

GRADING SECTIONS & DETAILS

National Nuclear Security Administration
NEVADA SITE OFFICE

Bechtel Nevada
P.O. BOX 98521 LAS VEGAS, NV 89193-8521

DRAWING NUMBER
05032-025-CAU168-C3

SHEET OF REV 1

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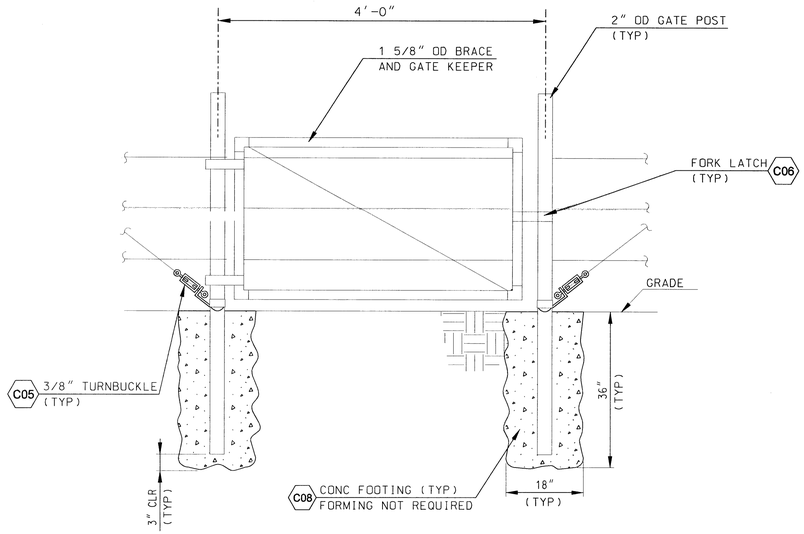
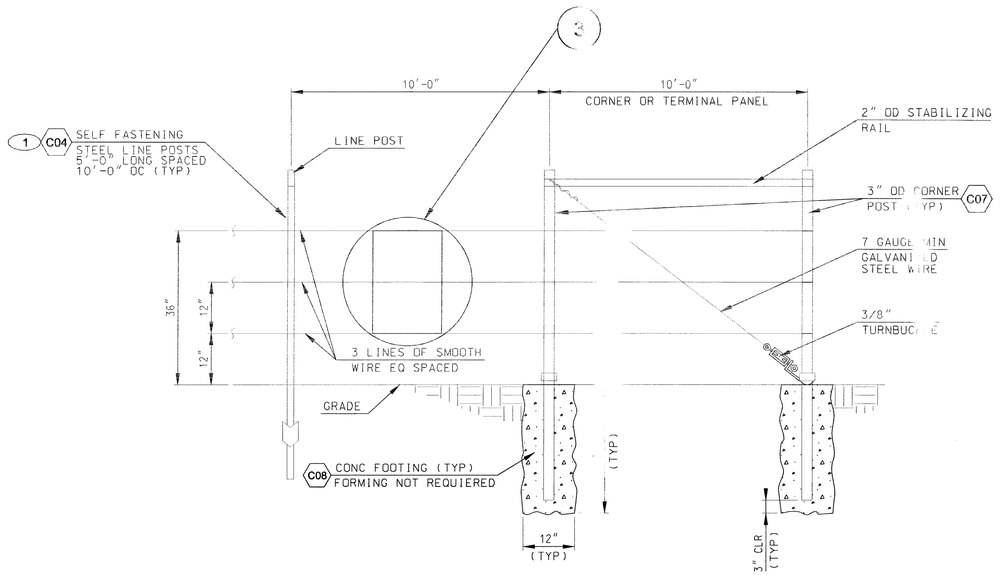


4'-0" SWING GATE

SCALE : NOT TO SCALE

2 C2



3 WIRE FENCE

SCALE : NOT TO SCALE

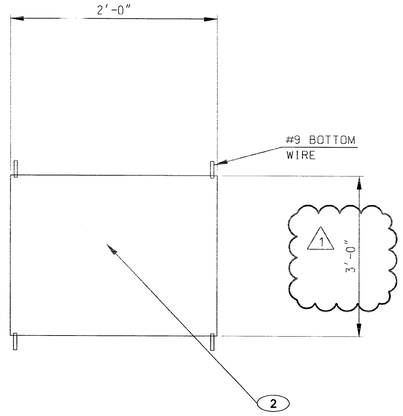
1 C2

NOTES

1. FENCING SHALL MEET THE REQUIREMENTS OF THIS DRAWING
2. ALL FENCING COMPONENTS SHOWN ARE NOMINAL.
3. T-POST SPACING TO BE NO LESS THEN 8' BUT NO MORE THAN 12'.
4. SECURE WIRE TO LINE POSTS AND PULL AROUND CONRNER POST WITH ENDUGH TENSION TO AVOID SAGGING.
5. SECURE SIGN TO WIRE WITH #9 WIRE.

KEY NOTES

1. FENCING WIRE SHALL BE VINYL COATED COMMERCIAL GRADE, 7 x 7 STRAND CORE, 3/32 INCH (GAGE), 3/16 GALVANIZED STEEL WIRE ROPE WITH A MINIMUM OF 920 LBS BREAKING STRENGTH.
2. USE RESTRICTION SIGN LETTERING TO BE DICTATED BY ER.



SIGN DETAIL

SCALE : NOT TO SCALE

3

GS

FOR REFERENCE DRAWINGS SEE 05032-025-CAU168-T1

NO	DATE	REVISIONS	DESIGNED	CHECKED	ENGR SUPR	APPROVED
1	12/23/06	AS CONSTRUCTED, INCORPORATED FCR 05-0365, & FCN 06-0411	LL	LL	ENGR SUPR	ENGR SUPR

12/25/04

National Security Technologies, LLC
REYNOLDS, OPERATIONS
P.O. BOX 98521, LAS VEGAS, NEVADA 89193-8521

NO	DATE	REVISION DESCRIPTION	DESIGNED	CHECKED	ENGR SUPR	PROJ ENGR	USER OTHER
0	05/18/05	ISSUED FOR CONSTRUCTION					

APPROVAL BLOCK (PRINT NAME AND INITIAL)	DATE
ENGINEERING GROUP SUPERVISOR	05/17/05
PROJECT ENGINEER	05/17/05
USER/OTHER	05/17/05

DESIGNED	CHECKED	DRAWN	BN PROJECT NUMBER
LL	LL	LL	05032.A25

SIGNATURES ON FILE

NEVADA TEST SITE — AREA 25
CAU 168, CAS 25-16-03
MX LANDFILL SOIL COVER
FENCE DETAILS

National Nuclear Security Administration
NEVADA SITE OFFICE

Bechtel Nevada
P.O. BOX 98521 LAS VEGAS, NV 89193-8521

DRAWING NUMBER
05032-025-CAU168-C4

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MATERIAL ASSIGNMENT SCHEDULE

MARK NUMBER	QTY	UNIT	MATERIAL DESCRIPTION	SPECIFICATION NUMBER	DESIGN BASIS			QUALITY GRADE	SOURCE INSPECT	CERT REQD	RIR NUMBER NOTE (3)	QUALIFIED SUPPLIER	RESP ORG NOTE (1)	JIT PART NUMBER	STORAGE CAT	DROP POINT NOTE (2)	COMMENTS
					DESIGN DOCUMENT	FUNCTIONAL CLASS	PRIMARY CODES & STANDARDS										
C01	16,634	CY (1)	NATIVE SOIL BACKFILL FROM AN APPROVED BORROW SOURCE	N/A	05032-025-CAU168-C3	GS	MTL LAB #561	3	N	N	N/A	N	C	N/A	1	006-0900-1	APPROVED BORROW SOURCES INCLUDE A6, MX AND RMAD BORROW PITS
C02	200	EA	"T" POST	N/A	05032-025-CAU168-C4	GS	NAC 444, ASTM	3	N	N	N/A	N	C	N/A	1	006-0900-1	N/A
C03	01	EA	4' SWING GATE	N/A	05032-025-CAU168-C4	GS	NAC 444, ASTM	3	N	N	N/A	N	C	N/A	1	006-0900-1	THIS INCLUDES ALL HARDWARE, POSTS, TURNBUCKLES, COLLARS, FENCE, AND MATERIAL TO INSTALL GATES TO SPECIFIED DIMENSIONS AS SHOWN ON DRAWINGS.
C04	4,500	LF	WIRE ROPE	N/A	05032-025-CAU168-C4	GS	NAC 444, ASTM	3	N	N	N/A	N	C	N/A	1	006-0900-1	N/A
C05	25	EA	TURNBUCKLE	N/A	05032-025-CAU168-C4	GS	NAC 444, ASTM	3	N	N	N/A	N	C	N/A	1	006-0900-1	N/A
C06	1	EA	FORK LATCH	N/A	05032-025-CAU168-C4	GS	NAC 444, ASTM	3	N	N	N/A	N	C	N/A	1	006-0900-1	N/A
C07	N/A	N/A	ADDITIONAL FENCE MATERIAL (AS REQUIRED)	N/A	05032-025-CAU168-C4	GS	NAC 444, ASTM	3	N	N	N/A	N	C	N/A	1	006-0900-1	THIS INCLUDES ALL HARDWARE AND MATERIALS TO INSTALL FENCE TO SPECIFIED DIMENSIONS AS SHOWN ON DRAWINGS AND ANY OTHER DEEMED NECCESSARY. PER CONSTRUCTION.
C08	20	CY	CONCRETE	N/A	05032-025-CAU168-C4	GS	NAC 444, ASTM	3	N	N	N/A	N	C	N/A	1	006-0900-1	CONCRETE FOOTINGS FOR CORNER AND GATE POSTS
C09	1	EA	COMM PEDESTAL	N/A	05032-025-CAU168-C2	GS	NAC 444, ASTM	3	N	N	N/A	N	V	N/A	1	006-0900-1	EXISTING COMM PEDESTAL WITHIN SITE BOUNDARY TO BE REPLACED AND RELOCATED OUTSIDE OF SITE BOUNDARY
C10	175	CY	FINE AGGREGATE	N/A	05032-025-CAU168-C3	GS	NDOT 706.03.03	3	N	N	N/A	N	C	N/A	1	006-0900-1	6" THICK LAYER OF AGGREGATE PER NDOT 706.03.03
C11	650	CY	(1) TYPE 300 RIP-RAP	N/A	05032-025-CAU168-C3	GS	NDOT 706.03.03	3	N	N	N/A	N	C	N/A	1	006-0900-1	CLASS 300 RIP-RAP PER NDOT SPECIFICATION 706.03.05.
C12	3500	SQFT	GEOTEXTILE FABRIC	N/A	05032-025-CAU168-C3	GS	SEE COMMENTS COLUMN	3	N	N	N/A	N	C	N/A	1	006-0900-1	PER CLARK COUNTY AREA NEVADA UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS SECTION 610.03.02

NOTES

1. E = ENGINEERING V = VERIZON
   C = CONSTRUCTION S = SUBCONTRACTOR
2. FOR DEFINITIONS SEE OP-2110.909 "FIELD STORAGE AND HANDLING REQUIREMENTS FOR PERMANENT PLANT EQUIPMENT", LATEST EDITION.

GS

FOR REFERENCE DRAWINGS SEE 05032-025-CAU168-T1

NO	DATE	REVISIONS	DESIGNED	CHECKED	ENGR GROUP SUPVSR	PROJ ENGR	APPROVED
1	10/23/06	AS CONSTRUCTED PER AS-BUILT SURVEY, INCORPORATED FCN 06-0057	JLH	CFL	JAS	JAS	

National Security Technologies LLC
NEVADA OPERATIONS
P.O. BOX 98521 LAS VEGAS, NEVADA 89193-8521

NO	DATE	REVISION DESCRIPTION	DESIGNED	CHECKED	ENGR GROUP SUPVSR	PROJ ENGR	USER OTHER
0	05/18/05	ISSUED FOR CONSTRUCTION					

APPROVAL BLOCK (PRINT NAME AND INITIAL)

		DATE
DESIGNED	LL	05/17/05
CHECKED	JAS	05/17/05
DRAWN	CB	05/17/05
ENGINEERING GROUP SUPERVISOR	JAS	05/17/05
PROJECT ENGINEER	SR	05/17/05
USER/OTHER	N/A	05/17/05

BN PROJECT NUMBER: 05032
ENGINEERING NUMBER: A25
ORIGINAL DRAWING ON FILE

NEVADA TEST SITE — AREA 25
CAU 168, CAS 25-16-03
MX LANDFILL SOIL COVER

MATERIALS ASSIGNMENT SCHEDULE

National Nuclear Security Administration
NEVADA SITE OFFICE

Bechtel Nevada
P.O. BOX 98521 LAS VEGAS, NV 89193-8521

DRAWING NUMBER
05032-025-CAU168-C5

SHEET OF REV 1

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APPENDIX D

WASTE DISPOSITION DOCUMENTATION

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Corrective Action Site 25-16-01
Construction Waste Pile

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Bechtel Nevada

NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 9 LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Mike Flora Phone Number: 5-6653

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☑ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☑ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☐ Metal	☐ Wood	☑ Soil	☐ Rubber (excluding tires)	☐ Demolition debris
☐ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Cement & concrete

☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground
☐ Hydrocarbons (contact SWO)	☐ Other _____	☐ Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants	☒ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ ***(If initialed, no radiological clearance is necessary.)***

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and the prohibited and allowable waste items.

Print Name: Mike Flora

Signature: /s/: Signature on File

Date: 8/31/05

Note: Food waste, office trash and/or animal carcasses are considered not to contain a require a radiological clearance.

Radiation Survey Release for Waste Disposal

RCT Initials

- ☒ This container/load is free of external radioactive contamination.
- ☐ This container/load is exempt from survey due to process knowledge and origin.
- ☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE: /s/: Signature on File DATE: 8.31.05

BN-0646 (09/99)

SWO USE ONLY

Load Weight (net from scale or estimate): 15436 Signature of Certifier: /s/: Signature on File

Retention Code: ENV 6.b

BN-0918 (04/03)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

1

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DAVE MACKT / MIKE FLOYD Phone Number: 5-5577 / 5-6653

Location / Origin: CAU 168 CAS 28-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☐ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☒ Rocks / unaltered geologic materials	☐ Empty containers	
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)	☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified disposal in the landfill.

Print Name: Mike FLOYD

Signature: /s/: Signature on File Date: 4/26/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain require a radiological clearance.

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.

☒ This container/load is exempt from survey due to process knowledge and origin.

☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE: /s/: Signature on File DATE: 4/25/06

BN-0646 (09/99)

SWO USE ONLY

Load Weight (net from scale or estimate): 37,880 Signature of Certifier: /s/: Signature on File

BN-0918 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DAVE KNACHT / Mike Floyd Phone Number: 5-5577 / 5-6653

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials have verified this through the waste characterization method identified above and a re and allowable waste items. I have contacted Property Management and have verified t disposal in the landfill.

Print Name: Mike FLOYD

Signature: /s/: Signature on File Date: 4/25/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain ac require a radiological clearance.

Radiation Survey Release for Waste Disposal

RCT Initials

- ☐ This container/load is free of external radioactive contamination.
- ☒ This container/load is exempt from survey due to process knowledge and origin.
- ☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE /s/: Signature on File DATE: 4/25/06

BN-9646 (09/99)

SWO USE ONLY

Load Weight (net from scale or estimate): 35000 Signature of Certifier: /s/: Signature on File

BN-0918 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Mike Floyd Phone Number: 5-7755 / 5-6653

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a re and allowable waste items. I have contacted Property Management and have verified disposal in the landfill.

Print Name: Mike Floyd

Signature: /s/: Signature on File Date: 4/25/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain a require a radiological clearance.

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.

☒ This container/load is exempt from survey due to process knowledge and origin.

☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE: /s/: Signature on File DATE: 4-25-06

BN-0646 (09/99)

SWO USE ONLY

Load Weight (net from scale or estimate): 36580 Signature of Certifier: /s/: Signature on File

BN-0918 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

(1)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DAVE NACHT / Mike FLOYD Phone Number: 5-5577 / 5-1653

Location / Origin: CAU 168 CAS 25-16-01 800FT. From E-mail at Fenceline S.E.

CP's 4/27/06

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☒ Rocks / unaltered geologic materials ☐ Empty containers
☐ Plastic ☒ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Insulation (non-Asbestosform) ☒ Cement & concrete
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those mat have verified this through the waste characterization method identified above and and allowable waste items. I have contacted Property Management and have veri disposal in the landfill.

Print Name: Mike FLOYD

Signature: /s/: Signature on File Date: 4/25/06

Note: Food waste, office trash and/or animal carcasses are considered not to con require a radiological clearance.

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.
☒ This container/load is exempt from survey due to process knowledge and origin.
☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE /s/: Signature on File DATE: 4-25-06

BN-0646 (09/99)

SWO USE ONLY

Load Weight (net from scale or estimate): 42460 Signature of Certifier: /s/: Signature on File

BN-0918 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

3

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Mike Floyd Phone Number: 5-5677/5-6653

Location / Origin: CAU 168 CAS 25-16-01 500FT from EMAD (@ Fenceline S.E.

4/24/06

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Paper	☒ Rocks / unaltered geologic materials
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Empty containers	☐ Demolition debris
☒ Cement & concrete						

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal. I have verified this through the waste characterization method identified above and a review of the allowable waste items. I have contacted Property Management and have verified disposal in the landfill.

Print Name: Mike Floyd

Signature: /s/: Signature on File Date: 4/24/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain require a radiological clearance.

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.

☒ This container/load is exempt from survey due to process knowledge and origin.

☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE: /s/: Signature on File DATE: 4-26-06

BN-0646 (09/99)

SWO USE ONLY

Load Weight (net from scale or estimate): 32,280 Signature of Certifier: /s/: Signature on File

BN-0918 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave NACHT / Mike FLOYD Phone Number: 5-5577 / 5-6683

Location / Origin: CAU 168 CAS 25-10-01 500FT From Exmal @ Fenceline S.E.

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a[illegible] and allowable waste items. I have contacted Property Management and have verifi[illegible] disposal in the landfill.

Print Name: Mike FLOYD

Signature: /s/: Signature on File Date: 4/26/06

Note: Food waste, office trash and/or animal carcasses are considered not to conta[illegible] require a radiological clearance.

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.

☒ This container/load is exempt from survey due to process knowledge and origin.

☐ This container/load is free of radioactive cont[illegible] alysis.

SIGNATURE: /s/: Signature on File DATE: 4-26-06

BN-0646 (09/99)

SWO USE ONLY

Load Weight (~~net from scale~~ or estimate): 34 600 Signature of Certifier: /s/: Signature on File

BN-0918 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One)	**AREA**	☐ 23	☐ 6	☑ 9	☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DAVE HACKETT / MIKE FLOYD Phone Number: 5-5577 / 5-6653

Location / Origin: CAU 168 CAS 25-16-01 300 FT From S-Bend Formation SITE.

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☐ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☒ Metal	☒ Wood	☒ Soil
☐ Rubber (excluding tires)	☐ Demolition debris	☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)
☒ Cement & concrete	☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a re[illegible] the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified t[illegible] for disposal in the landfill.

Print Name: Mike Floyd

Signature: /s/: Signature on File Date: 4/26/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain [illegible] require a radiological clearance.

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.

☒ This container/load is exempt from survey due to process knowledge and origin.

☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE /s/: Signature on File DATE: 4-26-06

SWO USE ONLY

Load Weight (net from scale or estimate): 32,000 Signature of Certifier: /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

6

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Lacht / Mike Floyd Phone Number: 5-5577 / 5-6653

Location / Origin: CAU 168 CAS 25-16-01 800FT From Fmad@Fencline S.E.

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☐ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Demolition debris	
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☒ Cement & concrete	

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materia have verified this through the waste characterization method identified above and a r and allowable waste items. I have contacted Property Management and have verified disposal in the landfill.

Print Name: Mike Floyd

Signature: /s/: Signature on File Date: 4/26/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain require a radiological clearance.

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.

☒ This container/load is exempt from survey due to process knowledge and origin.

☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE: /s/: Signature on File DATE: 4-26-06

BN-0646 (09/99)

SWO USE ONLY

Load Weight (net from scale or estimate): 39,660 Signature of Certifier: /s/: Signature on File

BN-0918 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DAVE ZINKHAN / Mike Floyd Phone Number: 65577 / 54653

Location / Origin: OAU-168 OPS 4/27/06 800 FT from E-mad @ Fenceline S.E. OPS 4/27/06

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS ☐ Non-Putrescible	☐ Putrescible ☐ Asbestos Containing Material	☒ FFACO-onsite ☐ FFACO-offsite	☐ WAC Exception ☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☐ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material[illegible] have verified this through the waste characterization method identified above and a re[illegible] and allowable waste items. I have contacted Property Management and have verified [illegible] disposal in the landfill.

Print Name: Mike Floyd

Signature: /s/: Signature on File Date: 4/26/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain a[illegible] require a radiological clearance.

Radiation Survey Release for Waste Disposal

RCT Initials

☐ This container/load is free of external radioactive contamination.

☒ This container/load is exempt from survey due to process knowledge and origin.

☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE: /s/: Signature on File DATE: 4/26/06

BN-0646 (09/99)

SWO USE ONLY

Load Weight (net from scale or estimate): 39240 Signature of Certifier: /s/: Signature on File

BN-0918 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☑ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DAVE NACHT / Mike FLOYD Phone Number: 5-5577 / 5-6653

Location / Origin: CAU 168 CAS 25-06-01 Outside Fenced Fence

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☐ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☑ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materi have verified this through the waste characterization method identified above and a and allowable waste items. I have contacted Property Management and have verifie disposal in the landfill.

Print Name: Mike FLOYD

Signature: /s/: Signature on File Date: 4/27/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

X **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 4-27-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 36,200 Signature of Certifier: /s/: Signature on File

BN-0918 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DUE NACHT / MIKE FLOYD Phone Number: 5577 / 6653

Location / Origin: CAU 168 CAS 25-10-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS ☐ Non-Putrescible	☐ Putrescible ☐ Asbestos Containing Material	☒ FFACO-onsite ☐ FFACO-offsite	☐ WAC Exception ☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents
Prohibited Waste at all three NTS landfills:	Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).			
Additional Prohibited Waste at the Area 9 U10C Landfill:	Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos			

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☒ Rocks / unaltered geologic materials ☐ Empty containers

☐ Plastic ☒ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water separators

☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks

☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters

☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a revi and allowable waste items. I have contacted Property Management and have verified th disposal in the landfill.

Print Name: Mike Floyd 5/01/06

Signature: /s/: Signature on File Date: ~~4/27/06~~ RB

Note: Food waste, office trash and/or animal carcasses are considered not to contain ad require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5/1/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 23,500 Signature of Certifie /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DAVE NACHT / MIKE FLOYD Phone Number: 5577/6653

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified disposal in the landfill.

Print Name: Mike Floyd 5/01/06

Signature: /s/: Signature on File Date: 4/27/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain ... require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials MF

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 5/1/06

SWO USE ONLY

Load Weight (net from scale or estimate): 69010 Signature of Certifier: /s/: Signature on File

BN-0646 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Hacht / Robert Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS ☐ Non-Putrescible	☐ Putrescible ☐ Asbestos Containing Material	☒ FFACO-onsite ☐ FFACO-offsite	☐ WAC Exception ☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a revie and allowable waste items. I have contacted Property Management and have verified tha disposal in the landfill.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: 5/01/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain add require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5/1/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 79650 Signature of Certifier: /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

7

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☑ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Macht / Robert Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials have verified this through the waste characterization method identified above and a revi and allowable waste items. I have contacted Property Management and have verified th disposal in the landfill.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: 5/01/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain ad require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE /s/: Signature on File DATE: 5/1/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 33,400 Signature of Certifier: /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

8

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Robert Baumert Phone Number: 5577 / 5682

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	☐ Demolition debris
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☒ Cement & concrete	

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials tl have verified this through the waste characterization method identified above and a revie and allowable waste items. I have contacted Property Management and have verified tha disposal in the landfill.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: 5/01/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain adde require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5/1/0

BN-0646 (10/0

SWO USE ONLY

Load Weight (net from scale or estimate): 26500 Signature of Certifier: /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Robert Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	☒ Demolition debris
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☒ Cement & concrete	

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a revie and allowable waste items. I have contacted Property Management and have verified tha disposal in the landfill.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: 5/01/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain add require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials CAL

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 5/1/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 32,980 Signature of Certifier: /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

1

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Robert Bammert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Rubber (excluding tires) ☐ Paper ☒ Rocks / unaltered geologic materials ☐ Empty containers

☐ Plastic ☒ Wire ☐ Cable ☐ Cloth ☐ Insulation (non-Asbestosform) RB ☒ Demolition debris ☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water separators

☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks

☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters

☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a revi and allowable waste items. I have contacted Property Management and have verified th disposal in the landfill.

Print Name: Robert Bammert

Signature: /s/: Signature on File Date: 5/02/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain ad require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials DM

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5/2/06

SWO USE ONLY

Load Weight (net from scale or estimate): 24,500 Signature of Certifier: /s/: Signature on File

BN-0646 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Robert Bammert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☒ Rocks / unaltered geologic materials ☐ Empty containers
☐ Plastic ☒ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Insulation (non-Asbestosform) ☒ Cement & concrete
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a revie and allowable waste items. I have contacted Property Management and have verified tha isposal in the landfill.

nt Name: Robert Bammert

nature: /s/: Signature on File Date: 5/02/06

: Food waste, office trash and/or animal carcasses are considered not to contain ad require a radiological clearance.

Radiological Survey Release for Waste Disposal
RCT Initials _____

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 5/2/06

BN-0646 (10/05)

USE ONLY

Weight (net from scale or estimate): 24500 Signature of Certifier: /s/: Signature on File

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Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Wacht / Bob Baumert Phone Number: 5377/5652

Location / Origin: CAU 165 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials t have verified this through the waste characterization method identified above and a revi and allowable waste items. I have contacted Property Management and have verified tha disposal in the landfill.

Print Name: Bob Baumert

Signature: /s/: Signature on File Date: 5/02/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain ad require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials CMJ

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5/2/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 24,500 Signature of Certifier: /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA	☐ 23	☐ 6	☒ 9	☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Rob Bamnett Phone Number: 5377/5682

Location / Origin: CAU 168 CAS 25-44-01 Area 25 ENAD

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☑ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Paper	☒ Rocks / unaltered geologic materials
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Empty containers	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at [illegible]. I have verified this through the waste characterization method identified above and a rev[illegible] and allowable waste items. I have contacted Property Management and have verified th[illegible] disposal in the landfill.

Print Name: Rob Bamnett

Signature: /s/: Signature on File Date: 5/02/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain ad[illegible] require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 5/2/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 24,500 Signature of Certifier: /s/: Signature on File

Bechtel Nevada

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NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Rob Baumert Phone Number: 5577/5682

Location/ Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☑ Sampling & Analysis	☑ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☑ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials have verified this through the waste characterization method identified above and a revi and allowable waste items. I have contacted Property Management and have verified th disposal in the landfill.

Print Name: Rob Baumert

Signature: /s/: Signature on File Date: 5/02/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain ad require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5/3/06

SWO USE ONLY

Load Weight (net from scale or estimate): 39,420 Signature of Certifier: /s/: Signature on File

(4)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Rob Baumert Phone Number: 5577 / 5682

Location / Origin: CAU 168 CAS 25-16-01 Area 25 EMAD

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a revie and allowable waste items. I have contacted Property Management and have verified tha disposal in the landfill.

Print Name: Rob Baumert

Signature: /s/: Signature on File Date: 5/03/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain adc require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials CMJ

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 5/3/06

SWO USE ONLY

Load Weight (net from scale or estimate): 24,500 Signature of Certifier: /s/: Signature on File

BN-0646 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

7

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Bob Bammert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-16-01 Area 25 EMAD

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials t have verified this through the waste characterization method identified above and a revie and allowable waste items. I have contacted Property Management and have verified tha disposal in the landfill.

Print Name: Bob Bammert

Signature: /s/: Signature on File Date: 5/03/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain add require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials CNJ

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5/3/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 24600 Signature of Certifier: /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Rob Baumert Phone Number: 5577 / 5682

Location / Origin: CAU 168 CAS 25-16-01 Area 25 EMAD

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a revi and allowable waste items. I have contacted Property Management and have verified th disposal in the landfill.

Print Name: Rob Baumert

Signature: /s/: Signature on File Date: 5/03/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain ad require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials CM

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 5/3/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 39,480 Signature of Certifier: /s/: Signature on File

2

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Rob Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-16-01 Area 25 BMAD

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS ☐ Non-Putrescible	☐ Putrescible ☐ Asbestos Containing Material	☒ FFACO-onsite ☐ FFACO-offsite	☐ WAC Exception ☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials have verified this through the waste characterization method identified above and a revi and allowable waste items. I have contacted Property Management and have verified th disposal in the landfill.

Print Name: Rob Baumert

Signature: /s/: Signature on File Date: 5/03/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain ad require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials OA

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5/3/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 34950 Signature of Certifie /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

4

(Waste definitions are available on page 2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☑ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Rob Bauwert Phone Number: 5577 / 5682

Location / Origin: CAU 168 CAS 25-16-01 Area 25 ENMAD

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	
☐ Paper	☒ Rocks / unaltered geologic materials				☒ Cement & concrete	

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials t have verified this through the waste characterization method identified above and a revi and allowable waste items. I have contacted Property Management and have verified tha disposal in the landfill.

Print Name: Rob Bauwert

Signature: /s/: Signature on File Date: 5/4/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain adc require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials CMY

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5·4·06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 35016 Signature of Cer /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

1

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Bob Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-16-01 Area 25 EMAD

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☐ Metal ☐ Wood ☒ Soil ☐ Paper ☒ Rocks / unaltered geologic materials ☐ Empty containers
☐ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Insulation (non-Asbestosform) ☒ Cement & concrete
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials I have verified this through the waste characterization method identified above and a revi and allowable waste items. I have contacted Property Management and have verified th disposal in the landfill.

Print Name: Bob Baumert

Signature: /s/: Signature on File Date: 5/04/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain adc require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials CMY

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5.4.06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 23,400 Signature of Certifier: /s/: Signature on File

BN-0918 (10/05)

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

(1)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DAVE KACHT / Mike FLOYD Phone Number: 5-5577/5-2683

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☐ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and and allowable waste items. I have contacted Property Management and have verifi disposal in the landfill.

Print Name: Mike FLOYD

Signature: /s/: Signature on File Date: 5/16/06

Note: Food waste, office trash and/or animal carcasses are considered not to conta require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials CMF

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5.16.06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 32980 Signature of Certifier: /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

(2)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☑ 9 ☑ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DALE MACH / Mike Floyd Phone Number: 5-5527 / 5-6653

Location / Origin: CAU 22 - CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☑ Industrial	
Waste Type: (check one)	☑ NTS ☐ Non-Putrescible	☐ Putrescible ☐ Asbestos Containing Material	☒ FFACO-onsite ☐ FFACO-offsite	☐ WAC Exception ☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☐ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☐ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and and allowable waste items. I have contacted Property Management and have verif disposal in the landfill.

Print Name: Mike Floyd

Signature: /s/: Signature on File Date: 5/16/06

Note: Food waste, office trash and/or animal carcasses are considered not to conta require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials JMJ

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5-16-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 35,500 Signature of Certifier: /s/: Signature on File

Bechtel Nevada

NTS LANDFILL LOAD VERIFICATION

(Waste definitions are available on page 2)

(3)

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DAVE HACKETT / Mike FLOYD Phone Number: 5-5577 / 5-6653

Location / Origin: CAU 168 CAS 25-16-01

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics' kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Demolition debris	
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☒ Cement & concrete	

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above a and allowable waste items. I have contacted Property Management and have ve disposal in the landfill.

Print Name: Mike FLOYD

Signature: /s/: Signature on File Date: 5/16/06

Note: Food waste, office trash and/or animal carcasses are considered not to co require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials CMJ

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 5.16.06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 32820 Signature of Certifier: /s/: Signature on File

Corrective Action Site 25-23-13
ETL-Lab Radioactive Contamination

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NTS On-Site HazMat Transfer - Published

Tracking No: DPL06004
Carrier: GOVERNMENT TRUCK (GSA)
Vehicle: E107192 Trailers: E102132
Driver: LLOYD STOLWORTHY CDL: 1502037386 NV

Depart: 18-MAY-2006 08:45 Arrival: 18-MAY-2006 09:45

From: STEFAN DUKE
BECHTEL NEVADA
BASE CAMP
TTF
MERCURY, NV 89023
Area: 25
Bldg: 3124
Phone: 702-295-7365
Alt Phone:
Mobile: 702-630-0423

To: DOUGLAS CLARK
BECHTEL NEVADA
BASE CAMP
MERCURY, NV 89023
Area: 05
Bldg: 007
Phone: 702-295-6686
Alt Phone: 702-254-8611
Mobile: 702-523-8036

Entered By: STEFAN DUKE Date Modified: 18-MAY-2006

Shipped Material(s)	Package(s)	Unit(s)	Guide No.
UN/NA 2912, RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), 7 WASTE RADIONUCLIDES:PU-239,U-234,U-235,U-238,AM-241, CS-137,SR-90,CO-60,EU-155,PM-147,SB-125,SM-151 PHYSICAL FORM:SOLID CHEMICAL FORM:OXIDE PACKAGE ACTIVITY:8.624E7 BQ CATEGORY:EXCLUSIVE USE SHIPMENT, FISSILE EXCEPTED	1 SEALAND CONTAINER	4490.00 KILOGRAM(S) (GROSS)	162

24-Hr Emergency Response Number
702-295-0311

Secondary Emergency Response Contact And/Or Comments
YUNKO LEE 702-295-7559

EMERGENCY RESPONSE

By Phone
702-295-0311

By Radio
'MAYDAY - MAYDAY - MAYDAY'

In the event of an incident involving Hazardous Material:

1. Gather HazMat shipping papers and NAER Guidebook
2. Isolate the immediate area
3. Assess the situation:
   a. Fire, Spill, or Leak?
   b. People, Property, or the Environment at risk?
4. Contact On-site Emergency Response Personnel
5. Reference On-Site HazMat Transfer Tracking Number

This is to certify that the above-named materials are properly classified, described, packaged, marked, placarded, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S Department of Transportation. As a signatory I cerfify that I have been trained and tested to the requirements of 49 CFR, Part 172-700 and is compliant with the NTS OTSD.

Authorized Signature: /s/: Signature on File Date: 5-18-06 Time: 1020

Received by: /s/: Signature on File Date: 5-18-06 Time: 1115

Certificate of Disposal

This is to certify that the, Waste Stream No., LRY5LLFY06001 package numbers 262901 was shipped and received at the Nevada Test Site Radioactive Waste Management Site in Area 5 for disposal as stated below.

Stefan Duke	Bechtel Nevada Waste Generator Services	Scientist
Shipped by	Organization	Title

/s/: Signature on File

Signature

Date 5-18-06

Nancy E Theridge	Bechtel Nevada	Operations Specialist
Received by	Organization	Title

/s/: Signature on File

Signature

Date 5.18.06

Corrective Action Site 25-23-18
Radioactive Material Storage

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Bechtel Nevada

NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 9 **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: DAVE NACHT Phone Number: 5-5577

Location / Origin: CAU 168 CAS 25-23-18

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☐ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☐ Metal ☐ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers

☐ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris

☐ Insulation (non-Asbestosform) ☐ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water separators

☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks

☐ Hydrocarbons (contact SWO)

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-terne plated oil filters

☐ Plants ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ *(If initialed, no radiological clearance is necessary.)*

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those m... allowed for disposal at this site. I have verified this through the waste characterization method identified ab... prohibited and allowable waste items.

Print Name: Mike Finch

Signature: /s/: Signature on File Date: 7/25/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE /s/: Signature on File **DATE:** 7-24-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 8600 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

1

Bechtel Nevada

NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 9 LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Mack. Phone Number: 5-5577

Location / Origin: CAU 168 CAS 25-23-18

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☐ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☐ Metal	☒ Wood	☒ Soil
☐ Rubber (excluding tires)	☐ Demolition debris	☐ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)
☐ Cement & concrete						

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) Dicalite

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)		

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants		☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ ***(If initialed, no radiological clearance is necessary.)***

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those ma site. I have verified this through the waste characterization method identified abc prohibited and allowable waste items.

Print Name: Mike Floyd

Signature: /s/: Signature on File Date: 7/26/06

Note: Food waste, office trash and/or animal carcasses are considered not to contain require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 7-25-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 6700 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

Bechtel Nevada — NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 9 LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Mike Floyd Phone Number: 5-5577

Location / Origin: CAU 168 CAS 25-23-18

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☐ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☐ Metal	☒ Wood	☒ Soil
☐ Rubber (excluding tires)	☐ Demolition debris	☐ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)
☐ Cement & concrete						

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)		

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge ☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ *(If initialed, no radiological clearance is necessary.)*

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for [illegible] site. I have verified this through the waste characterization method identified [illegible] prohibited and allowable waste items.

Print Name: M. W Floyd

Signature: /s/: Signature on File Date: 7/26/06

Note: Food waste, office trash and/or animal carcasses are considered not to conta require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

RXP This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 7-26-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 13300 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

Bechtel Nevada NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 9 LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dale Hacker / Mike Floyd Phone Number: 295-5570

Location / Origin: CAU 168 CAS 25-27-18

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☐ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☐ Metal	☒ Wood	☒ Soil
☐ Rubber (excluding tires)	☐ Demolition debris	☐ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)
☐ Cement & concrete						

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)		

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge ☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ ***(If initialed, no radiological clearance is necessary.)***

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those m site. I have verified this through the waste characterization method identified ab prohibited and allowable waste items.

Print Name: Mike Floyd

Signature: /s/: Signature on File Date: 7/26/06

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

RZP **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 7-26-06

BN-0646 (10/05)

Note: Food waste, office trash and/or animal carcasses are considered not to contain added radioactivity, and therefore do not require a radiological clearance.

SWO USE ONLY

Load Weight (net from scale or estimate): 98820 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

Bechtel Nevada

NTS Landfill Load Verification

(Waste definitions are available on page 2)

4

SWO USE (Circle One Area) AREA 23 6 9 LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Wacht / Mike Flynn Phone Number: 5-5577

Location / Origin: CAU 168 CAS 25-23-18

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Demolition debris	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Cement & concrete	

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)		

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants		☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ ***(If initialed, no radiological clearance is necessary.)***

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those n site. I have verified this through the waste characterization method identified al prohibited and allowable waste items.

Print Name: Mike Flynn MCF

Signature: /s/: Signature on File Date: ~~7/26/06~~ 7/27/06

Note: Food waste, office trash and/or animal carcasses are considered not to contai require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 7-27-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 8320 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

Bechtel Nevada — NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 ~~6~~ 9 **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Mike Floyd Phone Number: 5-5577

Location / Origin: CAU 168 CAS 25-23-18

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☐ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)		

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants		☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ ***(If initialed, no radiological clearance is necessary.)***

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those m... for disposal at this site. I have verified this through the waste characterization method identified at... prohibited and allowable waste items.

Print Name: Mike Floyd

Signature: /s/: Signature on File Date: 7/27/0...

Note: Food waste, office trash and/or animal carcasses are considered not to cont... require a radiological clearance.

Radiological Survey Release for Waste Disposal

RCT Initials

___ This container/load meets the criteria for no added man-made radioactive material

___ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE /s/: Signature on File DATE: 7-27-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 44160 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

NSTec
Form
FRM-0918

NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 25 CAU 168 RMSF

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management		☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)	☒ Clean-Up CGS 10/16/06		~~☒ Routine~~ CGS 10/16/06	
Method of Characterization: (check one)	☒ Sampling & Analysis		☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper	☐ Rocks / unaltered geologic materials	☒ Empty containers	☐ Asphalt	☒ Metal	☒ Wood
☐ Soil	☐ Rubber (excluding tires)	☐ Demolition debris	☐ Plastic	☐ Wire	☐ Cable
☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Cement & concrete			

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materi[als] site. I have verified this through the waste characterization method identified above [and] prohibited and allowable waste items. I have contacted Property Management and h[ave] is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/12/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

PSN — **This container/load meets the criteria for no added man-made radioactive material**

_____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10-12-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 32,600 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 25 RMSF/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☐ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☐ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/23/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

DSK **This container/load meets the criteria for no added man-made radioactive material**

This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10-23-06

SWO USE ONLY

Load Weight (net from scale or estimate): 16940 Signature of Certifier: /s/: Signature on File

BN-0646 (10/05)

(1) DAVE

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Robert Bammert / Dave Nacht Phone Number: 5682 / 5577

Location / Origin: CAU 168 CAS 25-23-18 RMSF

Waste Category: (check one)		☐ Commercial	☒ Industrial QS 12/12/06	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☐ Wood	☐ Soil	☒ Rubber (excluding tires)	☐ Demolition debris
☒ Plastic	☒ Wire	☒ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Cement & concrete

☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Managemen knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Robert Bammert

Signature: /s/: Signature on File Date: 12/11/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

X This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 12/11/

BN-0646 (10/0

SWO USE ONLY

Load Weight (... from scale or estimate): 23660 Signature of Certifier /s/: Signature on File

5

NSTec Form FRM-0918

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NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Rob Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-23-18 RMSF

Waste Category: (check one)		☐ Commercial	☒ Industrial (JS 12/13/06	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☐ Wood	☐ Soil	☒ Rubber (excluding tires)	☐ Demolition debris
☐ Plastic	☒ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Cement & concrete

☐ Paper ☐ Rocks / unaltered geologic materials ☒ Empty containers

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above an prohibited and allowable waste items. I have contacted Property Management and have is approved for disposal in the landfill.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: 12/12/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

+ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 12-12-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (Net from scale or estimate): 6970 Signature of Certifier /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Hecht / Rob Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-23-18 RMSF

Waste Category: (check one)		☐ Commercial	☒ Industrial QS 12/20/06	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☐ Soil	☒ Rubber (excluding tires)	☐ Empty containers	
☒ Plastic	☐ Wire	☐ Cable	☒ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					☐ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: RB **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: 12/14/06

If applicable, place FRM-0646, "Radiological Release Sticker" here. Onsite use only.

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (lbs. from scale or estimate): 11,000 12/19/06 Signature of Certifier /s/: Signature on File

OK

(6)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Hackt / Rob Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-23-18

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☐ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Rubber (excluding tires) ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☒ Cloth ☐ Insulation (non-Asbestosform) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Paper ☒ Rocks / unaltered geologic materials ☐ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-terne plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Brian Konrad

Signature: /s/: Signature on File Date: 12/19/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

ab **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 12-19-06

SWO USE ONLY

Load Weight (Net from scale or estimate): 21,340 12/19/06 Signature of Certifier: /s/: Signature on File

EN 0646 (10/05)

(6)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Rob Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 25-23-18 RMSF Area 25

Waste Category: (check one)		☐ Commercial	☒ Industrial	dgs 12-21-06
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents
Prohibited Waste at all three NTS landfills:	Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).			
Additional Prohibited Waste at the Area 9 U10C Landfill:	Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos			

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☐ Wood ☐ Soil ☐ Rubber (excluding tires) ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Insulation (non-Asbestosform) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-terne plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials t site. I have verified this through the waste characterization method identified above and prohibited and allowable waste items. I have contacted Property Management and have is approved for disposal in the landfill.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: 12/20/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal
RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**
AN **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**
____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 12/20/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (LLW from scale or estimate): 3540 Signature of Certifier: /s/: Signature on File

FORM 540 EnergySolutions, LLC

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1 EMERGENCY TELEPHONE NUMBER (Include Area Code)
702-295-0311

ORGANIZATION
NSTec for USDOE

2 IS THIS AN "EXCLUSIVE USE" SHIPMENT?
☐ YES ☑ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST ====> 3

4 DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number =====>

EPA MANIFEST NUMBER

5. SHIPPER -- NAME AND FACILITY
National Security Technologies
PO Box 98521
Las Vegas, NV 89193-8521

SHIPPER I.D. NUMBER 8031-02-0002
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify) G

Utah Generator Site Access Permit No 0510003453
SHIPMENT NUMBER 8031-02-0002

CONTACT Michelle Hallmark
TELEPHONE NUMBER (Include Area Code) 702-295-3505

6. CARRIER -- Name and Address
CAST Transportation
9050 Havana Street
Henderson, CO 80640

EPA I.D. NUMBER UTD988074712
SHIPPING DATE 12/19/2006

CONTACT Randy Withrow
TELEPHONE (Include Area Code) 800-369-6374

SIGNATURE -- *Authorized carrier acknowledging waste receipt*
DATE

7. FORM 540 AND 540A PAGE 1 OF 1 PAGE(S)
FORM 541 AND 541A 2 PAGE(S)
FORM 542 AND 542A None PAGE(S)
ADDITIONAL INFORMATION None PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages)
8031-02-0002

9. CONSIGNEE - Name and Facility
EnergySolutions, LLC
Clive Disposal Site (Bulk Waste Facility)
Interstate 80, Exit 49
Clive, UT 84029

CONTACT Transportation Compliance
Shipping and Receiving
TELEPHONE (Include Area Code) (435)884-0155

SIGNATURE -- *Authorized consignee acknowledging waste receipt*
DATE

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE Stefan Duke /s/: Signature on File
See consignee block below

TITLE WGS

DATE 12-19-06

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES				16. TOTAL PACKAGE ACTIVITY MBq	mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
Non-DOT Regulated Radioactive Material	NA	NA	solid oxide	Cs-137	Sr-90	U-234	U-238	2.9604E-02	8.0010E-04	NA	410 LBS; 7.5 FT3	07L155
Non-DOT Regulated Radioactive Material	NA	NA	solid oxide	Cs-137	Sr-90	U-234	U-238	2.6599E-02	7.1890E-04	NA	368 LBS; 7.5 FT3	07L156
Non-DOT Regulated Radioactive Material	NA	NA	solid oxide	Cs-137	Sr-90	U-234	U-238	2.8978E-02	7.8320E-04	NA	401 LBS; 7.5 FT3	07L157

FOR CONSIGNEE USE ONLY

The original signed manifest resides with:
Michelle Hallmark
PO Box 98521
NTS Bldg 132, Office 4
Las Vegas, NV 89193-8521
702-295-3505

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20. TERMS AND CONDITIONS

A. HAZARDOUS MATERIALS: Generator represents & warrants that Waste Material __ is (or) ✓ is not a hazardous waste as defined in 40 CFR 261. Where the material is a hazardous waste, this shipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or certification as required by 40 CFR 268.1.

B. TITLE: Upon acceptance at the disposal site by EnergySolutions, LLC, and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's representations herein shall thereupon transfer from Generator and be vested in EnergySolutions, LLC

C. WASTE MATERIAL: Generator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all respects and in accordance with all applicable governmental laws, rules, regulations and EnergySolutions LLC's facility license.

D. INDEMNIFICATION: Generator agrees to indemnify EnergySolutions, LLC, its officers, employees and agents against all losses and liability whatsoever if such losses or liability results from the failure of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this shipment fails to meet the standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.

FORM 540 (03-06)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NV3890090001
2. Page 1 of: 2
3. Emergency Response Phone: 7022950311
4. Manifest Tracking Number: 000218925 FLE

GENERATOR

5. Generator's Name and Mailing Address
NSTec for USDOE
PO Box 98521 MS NTS 110
LAS VEGAS, NV. 89193
Generator's Phone: (702) 295-0311

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: CAST TRANSPORTATION
U.S. EPA ID Number: COR000005389

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENERGY SOLUTIONS, LLC
CLIVE DISPOSAL SITE (TREATMENT FACILITY)
INTERSTATE 80, EXIT 49
CLIVE, UT. 84029
Facility's Phone: (435) 884-0155
U.S. EPA ID Number: UTD982598898

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. UN2910, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL, 7, SOLID, OXIDE, (D008) (CS137, Sr90) (300000 Bq)	001	CM	2701	K	D008
RQ	2. UN2913, RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS, (SCO-1), 7, FISSILE EXCEPTED, (CS137, Sr90, U235), 50 MBq, SOLID, OXIDE	007	EA	18597	K	D008
	3. TOTAL	008		21298		
	4.					

14. Special Handling Instructions and Additional Information
LINE1: ERG# 161, PROFILE 9316-01-0010
LINE2: ERG# 162, PROFILE 9316-01-0010
UTAH PERMIT # 0510003453
PKG#, DESCRIPTION ON PG2

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: STEFAN DUKE
Signature: /s/: Signature on File
Month/Day/Year: 12/19/06

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Y. JAMES OLCOTT
Signature: /s/: Signature on File
Month/Day/Year: 12/19/06
Transporter 2 Printed/Typed Name
Signature
Month/Day/Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month/Day/Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month/Day/Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NV3890090001	2	7022950311	000218926 FLE

GENERATOR

5. Generator's Name and Mailing Address
NSTec for USDOE
PO Box 98521 MS NTS110
LAS VEGAS, NV 89193
Generator's Phone: (702)295 0311

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: CAST TRANSPORTATION — U.S. EPA ID Number: CDR 000005389

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
ENERGY SOLUTIONS, LLC
CLIVE DISPOSAL SITE (TREATMENT FACILITY)
INTERSTATE 80, EXIT 49
CLIVE, UT. 84029
Facility's Phone: (435) 884 0155

U.S. EPA ID Number: UTD 982598898

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	1. UN2913, RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-1), 7, FISSILE EXCEPTED, (Cs137, Sr90, U235), 5.5MBq	008	EA	21546	K	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
LINE1: ERG#162, PROFILE 9316-01-0009
PKG#, DESCRIPTION ON PG2
UTAH PERMIT #DSI 0003453

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: STEFAN DUKE — Signature: /s/: Signature on File — Month: 12 Day: 19 Year: 06

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: & Bob Applegate — Signature: /s/: Signature on File — Month: 12 Day: 19 Year: 06

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

Corrective Action Site 26-08-01
Waste Dump/Burn Pit

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Bechtel Nevada

NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 9 LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Mike Floyd Phone Number: 5-6653

Location / Origin: A26 Phoenix CAU 168 Rev 10/26/05 per Byron Konrad

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☑ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☑ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

			☐ Paper	☐ Rocks / unaltered geologic materials		☐ Empty containers
☐ Asphalt	☐ Metal	☐ Wood	☒ Soil	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)		☐ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground
☐ Hydrocarbons (contact SWO)	☐ Other _____	☐ Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ Other _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants	☒ Soil	☐ Sludge from sand/oil/water separators	☑ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ ***(If initialed, no radiological clearance is necessary.)***

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those mate site. I have verified this through the waste characterization method identified abov prohibited and allowable waste items.

Print Name: Mike Floyd

Signature: /s/: Signature on File Date: 8/25/05

Radiation Survey Release for Waste Disposal

RCT Initials

- ☒ DSR This container/load is free of external radioactive contamination.
- ☐ This container/load is exempt from survey due to process knowledge and origin.
- ☐ This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE: /s/: Signature on File DATE: 8-29-05

BN-0646 (09/99)

Note: Food waste, office trash and/or animal carcasses are considered not to contain added radioactivity, and therefore do not require a radiological clearance.

SWO USE ONLY

Load Weight (net from scale or estimate): 29,500 Signature of Certifier: /s/: Signature on File

Retention Code: ENV 6.b

BN-0918 (04/03)

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management [illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above and prohibited and allowable waste items. I have contacted Property Management and have is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/11/06

Radiological Survey Release for Waste Disposal

RCT Initials

CW — **This container/load meets the criteria for no added man-made radioactive material**

This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

___ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10/11/06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 20,210 Signature of Certifier: /s/: Signature on File

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management [illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above an prohibited and allowable waste items. I have contacted Property Management and have is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/11/06

Radiological Survey Release for Waste Disposal

RCT Initials

CW — **This container/load meets the criteria for no added man-made radioactive material**

___ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

___ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10/11/06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 33260 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management [illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials [illegible] site. I have verified this through the waste characterization method identified above and [illegible] prohibited and allowable waste items. I have contacted Property Management and have [illegible] is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/11/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal
RCT Initials

CW — This container/load meets the criteria for no added man-made radioactive material

— This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

— This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10/11/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 25100 Signature of Certifier: /s/: Signature on File

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NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management [illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above an prohibited and allowable waste items. I have contacted Property Management and have is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/11/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

CW — **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10/11/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 23,520 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

(3)

NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☐ Sampling & Analysis	☒ Process Knowledge	☐ Contents
Prohibited Waste at all three NTS landfills:	Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).			
Additional Prohibited Waste at the Area 9 U10C Landfill:	Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos			

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers

☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water

☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks

☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters

☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Managem... knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materi... site. I have verified this through the waste characterization method identified above... prohibited and allowable waste items. I have contacted Property Management and h... is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/16/06

Radiological Survey Release for Waste Disposal

RCT Initials

_____ **This container/load meets the criteria for no added man-made radioactive material**

_____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

CJ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10/16/06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 23,940 Signature of Certifier: /s/: Signature on File

NSTec
Form
FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/2
Rev.

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☐ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Managem... knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materi... site. I have verified this through the waste characterization method identified above... prohibited and allowable waste items. I have contacted Property Management and h... is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/16/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

_____ **This container/load meets the criteria for no added man-made radioactive material**

_____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10/16/06

BN-0546 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): ~~30,450~~ 30,450 Signature of Certifier: /s/: Signature on File

NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/17/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 20,200 Signature of Certifier: /s/: Signature on File

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

CJ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10/17/06

BN-0646 (10/05)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Insulation (non-Asbestosform) ☒ Cement & concrete
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: ____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/17/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea
must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 27,220 Signature of Certifier: /s/: Signature on File

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

CW **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10/17/06

N-0646 (10/05)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)	☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters	
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million	

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/17/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

_____ **This container/load meets the criteria for no added man-made radioactive material**

AW **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10/17/06

SWO USE ONLY

Load Weight (net from scale or estimate): 24,260 Signature of Certifier: /s/: Signature on File

BN-0646 (10/05)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters	
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million	

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/17/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

_____ **This container/load meets the criteria for no added man-made radioactive material**

CW **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10/17/06

SWO USE ONLY

Load Weight (net from scale or estimate): 72930 Signature of Certifier /s/: Signature on File

BN-0646 (10/05)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)	☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Rubber (excluding tires) ☐ Demolition debris

☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water

☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks

☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters

☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/17/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 29,800 Signature of Certifier: /s/: Signature on File

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

AW This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10/17/06

BN-0646 (10/05)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/17/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

CW This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10-17-06

SWO USE ONLY

Load Weight (net from scale or estimate): 31,800 Signature of Certifier: /s/: Signature on File

BN-0646 (10/05)

10

NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File _____ Date: 10/17/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

_____ **This container/load meets the criteria for no added man-made radioactive material**

CW **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10/17/06

SWO USE ONLY

Load Weight (net from scale or estimate): 25,860 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents
Prohibited Waste at all three NTS landfills:	Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).			
Additional Prohibited Waste at the Area 9 U10C Landfill:	Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos			

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Demolition debris
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☒ Cement & concrete

☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/17/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 35,090 Signature of Certifier: /s/: Signature on File

Radiological Survey Release for Waste Disposal

RCT Initials

_____ **This container/load meets the criteria for no added man-made radioactive material**

This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10-17-06

-0646 (10/05)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one) SQS 10/19/06		☐ Commercial	☒ Industrial	
Waste Type: ~~☒ NTS~~		☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
(check one)	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters	
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million	

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/18/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

CN — **This container/load meets the criteria for no added man-made radioactive material**

— **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

— **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10-18-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 35,300 Signature of Certifier: /s/: Signature on File

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NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one) 1695		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ ~~NTS~~ 10/19/06	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/18/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

CW — **This container/load meets the criteria for no added man-made radioactive material**

_____ — **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ — **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10-18-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 31880 Signature of Certifier: /s/: Signature on File

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NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one) 95		☐ Commercial	☒ Industrial	
Waste Type: ~~☒ NTS~~ 10/18/06		☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
(check one)	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Demolition debris
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/18/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

CJ — This container/load meets the criteria for no added man-made radioactive material

~~This container/load meets the criteria for Radcon Manual Table 4.2 release limits.~~

___ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10-18-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 32,760 Signature of Certifier: /s/: Signature on File

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one) IDS		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ ~~NTS~~ 10/19/06	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Demolition debris	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☒ Cement & concrete	

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/18/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

CN — **This container/load meets the criteria for no added man-made radioactive material**

This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

___ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10-18-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 30,580 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ ~~NTS~~ 10/19/06	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/18/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

CN — **This container/load meets the criteria for no added man-made radioactive material**

This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10-18-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 43320 Signature of Certifier /s/: Signature on File

(3)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ ~~NTS~~ 10/19/06	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/18/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal
RCT Initials

CN — **This container/load meets the criteria for no added man-made radioactive material**

___ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

___ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10-18-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 29,740 Signature of Certifier: /s/: Signature on File

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one) CTS		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ ~~NTS~~ 10/19/06	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/18/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

CW — **This container/load meets the criteria for no added man-made radioactive material**

This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

___ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10-18-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 42,100 Signature of Certifier: /s/: Signature on File

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NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one) 095		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ ~~NTS~~ 10/19/06	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/18/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

CN **This container/load meets the criteria for no added man-made radioactive material**

This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10-18-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 32680 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters	
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million	

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management [illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material[illegible] site. I have verified this through the waste characterization method identified above a[illegible] prohibited and allowable waste items. I have contacted Property Management and hav[illegible] is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/19/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

_____ **This container/load meets the criteria for no added man-made radioactive material**

WJ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE** 10/19/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 46,020 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters	
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million	

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: ____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and, to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials allowed for disposal at this site. I have verified this through the waste characterization method identified above and have reviewed the prohibited and allowable waste items. I have contacted Property Management and have verified that this waste is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/19/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

CW This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10/19/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 42,800 Signature of Certifier: /s/: Signature on File

(4)

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NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: ____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and, to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials listed on the Waste Profile for this site. I have verified this through the waste characterization method identified above and the waste does not contain prohibited and allowable waste items. I have contacted Property Management and have verified that the property is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/19/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal
RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

MJ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10/19/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 40,710 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)	☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Insulation (non-Asbestosform) ☒ Cement & concrete
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and, to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials listed in the prohibited and allowable waste items for this site. I have verified this through the waste characterization method identified above and/or by sampling. I have contacted Property Management and have verified that this waste is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/19/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

OJ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10/19/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 41380 Signature of Certifier: /s/: Signature on File

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rocks / unaltered geologic materials	☐ Empty containers	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)	☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: ____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and, to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials allowed for disposal at the NTS site. I have verified this through the waste characterization method identified above and the waste does not contain prohibited and allowable waste items. I have contacted Property Management and have verified that this waste is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/19/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

WJ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE** 10/19/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 35,620 Signature of Certifier: /s/: Signature on File

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NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Insulation (non-Asbestosform) ☒ Cement & concrete
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses
☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: ____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and, to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials allowed for disposal at this site. I have verified this through the waste characterization method identified above and have reviewed the prohibited and allowable waste items. I have contacted Property Management and have verified that this waste is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/19/06

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

CW **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10/19/06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 45,300 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and, to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials approved for disposal at the site. I have verified this through the waste characterization method identified above and the waste does not contain prohibited and allowable waste items. I have contacted Property Management and have verified that the waste is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/19/06

Radiological Survey Release for Waste Disposal

RCT Initials

_____ **This container/load meets the criteria for no added man-made radioactive material**

MJ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10/19/06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 36,820 Signature of Certifier: /s/: Signature on File

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and, to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials listed as allowable for this site. I have verified this through the waste characterization method identified above and the waste does not contain prohibited and allowable waste items. I have contacted Property Management and have verified that this waste is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/19/06

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

WJ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10/19/06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 42810 Signature of Certifier: /s/: Signature on File

(1)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)	☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Rubber (excluding tires) ☐ Empty containers

☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Insulation (non-Asbestosform) ☐ Demolition debris

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water

☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks

☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters

☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials approved for disposal at the NTS site. I have verified this through the waste characterization method identified above and have reviewed the prohibited and allowable waste items. I have contacted Property Management and have verified that this waste is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/23/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

DS This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10-23-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 38040 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☒ Metal	☒ Wood	☒ Soil
☐ Rubber (excluding tires)	☐ Demolition debris	☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)
☒ Cement & concrete	☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above an prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/23/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

Q35 This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10.23.06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 40510 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Paper	☐ Rocks / unaltered geologic materials
☐ Demolition debris	☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Empty containers

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/24/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

DSR — **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10.24.06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 50,220 Signature of Certifier: /s/: Signature on File

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters	
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million	

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/24/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

DSR **This container/load meets the criteria for no added man-made radioactive material**

_____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10.24.0

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 49460 Signature of Certifier: /s/: Signature on File

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NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/24/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

OSR **This container/load meets the criteria for no added man-made radioactive material**

_____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10.24.0

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 34080 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)	☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/24/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

DSR — **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10.24.0

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 44,860 Signature of Certifier /s/: Signature on File

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)	☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/24/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

DSR — This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10-24-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 45,420 Signature of Certifier: /s/: Signature on File

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management		☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)	☒ Clean-Up		☐ Routine	
Method of Characterization: (check one)	☒ Sampling & Analysis		☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/24/06

Radiological Survey Release for Waste Disposal

RCT Initials

DSR — **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10.24.0

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): ~~42,220~~ 42,220 lbs Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)	☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/24/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

DSR **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE/s/: Signature on File **DATE**: 10.24.06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 37920 Signature of Certifier: /s/: Signature on File

CW

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rocks / unaltered geologic materials	☐ Empty containers	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)	☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/24/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

DSR This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10.24.0

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 38430 Signature of Certifier: /s/: Signature on File

(2)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)	☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Rubber (excluding tires) ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Insulation (non-Asbestosform) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Manageme knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materi site. I have verified this through the waste characterization method identified above prohibited and allowable waste items. I have contacted Property Management and h is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/25/06

Radiological Survey Release for Waste Disposal
RCT Initials

CW — **This container/load meets the criteria for no added man-made radioactive material**

___ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

___ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATU /s/: Signature on File **DATE:** 10/25/06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 43020 Signature of Certifier: /s/: Signature on File

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NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Kevin Olsen Phone Number: 5-2941

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	☐ Demolition debris
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☒ Cement & concrete	

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Kevin Olsen

Signature: /s/: Signature on File Date: 10-3-06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE /s/: Signature on File DATE: 10/3/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 32 380 Signature of Certifier: /s/: Signature on File

(1)

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NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Kevin Olsen Phone Number: 5-2941

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☒ Metal	☒ Wood	☒ Soil
☐ Rubber (excluding tires)	☐ Demolition debris	☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)
☒ Cement & concrete						

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Kevin Olsen

Signature: /s/: Signature on File _____ Date: 10-3-06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE /s/: Signature on File DATE: 10/3/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 36560 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents
Prohibited Waste at all three NTS landfills:	Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).			
Additional Prohibited Waste at the Area 9 U10C Landfill:	Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos			

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: ____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/31/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

X **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File DATE: 10/31/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 48,750 Signature of Certifier: /s/: Signature on File

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NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS ☐ Non-Putrescible	☐ Putrescrible ☐ Asbestos Containing Material	☒ FFACO-onsite ☐ FFACO-offsite	☐ WAC Exception ☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents
Prohibited Waste at all three NTS landfills:	Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).			
Additional Prohibited Waste at the Area 9 U10C Landfill:	Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos			

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/31/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10/31/06

BN-0046 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 44760 Signature of Certifier: /s/: Signature on File

(3) (3)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Rubber (excluding tires) ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Insulation (non-Asbestosform) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/3/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clear must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

X This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10/3/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 49420 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Mike Casselbury Phone Number: 7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
						☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials t site. I have verified this through the waste characterization method identified above and prohibited and allowable waste items. I have contacted Property Management and have is approved for disposal in the landfill.

Print Name: Mike Casselbury

Signature: /s/: Signature on File Date: 10-5-06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

DSR **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10.5.06

BN-0646 (10/05

SWO USE ONLY

Load Weight (net from scale or estimate): 35580 Signature of Certifier: /s/: Signature on File

2

(2)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Mike Casselbury Phone Number: 7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS ☐ Non-Putrescible	☐ Putrescrible ☐ Asbestos Containing Material	☒ FFACO-onsite ☐ FFACO-offsite	☐ WAC Exception ☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents
Prohibited Waste at all three NTS landfills:	Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).			
Additional Prohibited Waste at the Area 9 U10C Landfill:	Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos			

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Insulation (non-Asbestosform) ☒ Cement & concrete
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill:

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials t ite. I have verified this through the waste characterization method identified above and rohibited and allowable waste items. I have contacted Property Management and have s approved for disposal in the landfill.

rint Name: Mike Casselbury

ignature: /s/: Signature on File Date: 10-5-06

ote: "Food waste, office trash and animal carcasses do not require a radiological clearar must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

DSR This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10.5.06

BN-0646 (10/05)

WO USE ONLY

oad Weight (net from scale or estimate): 54160 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Mike Casselbury Phone Number: 7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS ☐ Non-Putrescible	☐ Putrescible ☐ Asbestos Containing Material	☒ FFACO-onsite ☐ FFACO-offsite	☐ WAC Exception ☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☐ Paper ☒ Soil ☐ Rocks / unaltered geologic materials ☐ Rubber (excluding tires) ☐ Insulation (non-Asbestosform) ☐ Empty containers ☐ Demolition debris ☒ Cement & concrete

☒ Plastic ☐ Wire ☐ Cable ☐ Cloth

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill:

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water

☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks

☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters

☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

nitials: ____ (if initialed, no radiological clearance is necessary.)

he above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my nowledge, does not contain radiological materials.

o the best of my knowledge, the waste described above contains only those materials t te. I have verified this through the waste characterization method identified above and rohibited and allowable waste items. I have contacted Property Management and have approved for disposal in the landfill.

int Name: Mike Casselbury

gnature: /s/: Signature on File Date: 10-5-06

te: "Food waste, office trash and animal carcasses do not require a radiological clearа must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

____ This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

DSR This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10. 5-06

BN-0646 (10/05)

VO USE ONLY

ad Weight (net from scale or estimate): 50,190 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: _____

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Managemer[illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and ha is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/9/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

DH **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10-9-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 53,960 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

2

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: _____

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Managemer[illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materia[illegible] site. I have verified this through the waste characterization method identified above a[illegible] prohibited and allowable waste items. I have contacted Property Management and ha[illegible] is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/9/06

Radiological Survey Release for Waste Disposal
RCT Initials

DH — **This container/load meets the criteria for no added man-made radioactive material**

DH — **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

___ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE /s/: Signature on File **DATE:** 10-9-06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 47600 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

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NTS LANDFILL LOAD VERIFICATION

(3)

SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: _____

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Managemer[illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material[illegible] site. I have verified this through the waste characterization method identified above a[illegible] prohibited and allowable waste items. I have contacted Property Management and ha[illegible] is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/9/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

___ This container/load meets the criteria for no added man-made radioactive material

DH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

___ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10-9-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 37,680 Signature of Certifier: /s/: Signature on File

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: _____

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)	☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rocks / unaltered geologic materials	☐ Empty containers	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)	☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters	
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million	

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Managemer[illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material[illegible] site. I have verified this through the waste characterization method identified above a[illegible] prohibited and allowable waste items. I have contacted Property Management and ha[illegible] is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File _____ Date: 10/9/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

_____ This container/load meets the criteria for no added man-made radioactive material

DH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

_____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10-9-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 45,540 Signature of Certifier: /s/: Signature on File

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NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: _____

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)		☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)		☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Managemen[illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material[illegible] site. I have verified this through the waste characterization method identified above a[illegible] prohibited and allowable waste items. I have contacted Property Management and ha[illegible] is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/9/06

Radiological Survey/Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

DH **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10-9-06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 57050 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: _____

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Managemer[illegible] knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material[illegible] site. I have verified this through the waste characterization method identified above a[illegible] prohibited and allowable waste items. I have contacted Property Management and ha[illegible] is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/9/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

DH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10-9-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 55,820 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Managemel knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materia site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and ha is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/10/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

_____ This container/load meets the criteria for no added man-made radioactive material

JH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

_____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10-9-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 35,020 Signature of Certifier: /s/: Signature on File

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NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)	☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)	☒ Environmental management	☐ Defense Projects	☐ YMP	
Pollution Prevention Category: (check one)	☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)	☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters	
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million	

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Manageme knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materia site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and ha is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File _____ Date: 10/10/06

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

JH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10-9-06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 40540 Signature of Certifier: /s/: Signature on File

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NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Paper ☐ Rocks / unaltered geologic materials ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rubber (excluding tires) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☐ Insulation (non-Asbestosform) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Manageme knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materia site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and ha is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/10/06

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

JH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10-9-06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 57,388 Signature of Certifier: /s/: Signature on File

(4)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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(4)

SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Manageme knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materia site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and ha is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File _____ Date: 10/10/06

Radiological Survey Release for Waste Disposal

RCT Initials

_____ This container/load meets the criteria for no added man-made radioactive material

JH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

_____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 10-9-06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 31,930 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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(5)

SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Empty containers	
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	☒ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters	
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million	

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Manageme knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materia site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and ha is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/10/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

JH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10-9-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 31,300 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☒ Wood ☒ Soil ☐ Rubber (excluding tires) ☐ Empty containers
☒ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Insulation (non-Asbestosform) ☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.) ☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Drained automobiles and military vehicles ☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO) ☐ Drained fuel filters (gas & diesel) ☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO) ☐ Other _____

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Rags ☐ Drained fuel filters (gas & diesel) ☐ Crushed non-teme plated oil filters
☐ Plants ☐ Soil ☐ Sludge from sand/oil/water separators ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Manageme knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materia site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and ha is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/10/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

____ This container/load meets the criteria for no added man-made radioactive material

JH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

____ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File DATE: 10-9-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 28,440 Signature of Certifier: /s/: Signature on File

Dave Hecht

(1)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

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SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 5-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Paper	☐ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Rubber (excluding tires)	☐ Insulation (non-Asbestosform)	☐ Demolition debris
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)						☒ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and ha is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/11/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

_____ **This container/load meets the criteria for no added man-made radioactive material**

CJ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10/11/06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 43840 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

(1)

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NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA ☒ 23 ☐ 6 ☐ 9 ☒ **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Michael Casselbury Phone Number: 295-7222

Location / Origin: Area 26 Pheonix/ CAU 168

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type:	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
(check one)	☐ Non-Putrescible	☒ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☒ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☐ Rubber (excluding tires)	☐ Paper	☐ Rocks / unaltered geologic materials
☒ Plastic	☐ Wire	☐ Cable	☐ Cloth	☐ Insulation (non-Asbestosform)	☐ Demolition debris	☐ Empty containers
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					☒ Cement & concrete	

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☒ Asbestos ☒ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☒ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters	
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million	

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Managemen knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those material site. I have verified this through the waste characterization method identified above a prohibited and allowable waste items. I have contacted Property Management and ha is approved for disposal in the landfill.

Print Name: Michael Casselbury

Signature: /s/: Signature on File Date: 10/25/06

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal

RCT Initials

CW — **This container/load meets the criteria for no added man-made radioactive material**

_____ — **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ — **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10-25-06

BN-0646 (10/05)

SWO USE ONLY

Load Weight (net from scale or estimate): 33,040 Signature of Certifier: /s/: Signature on File

Corrective Action Site 26-19-02
Contaminated Waste Dump #2

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Bechtel Nevada

NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 9 LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Hackett + Rob Bunnert Phone Number: 5577 5682

Location / Origin: CAU 168 CAS 26-19-02 Area 26 Contaminated waste dump #2

Waste Category: (check one)		☐ Commercial	☒ Industrial		
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite 9/18/06	☐ WAC Exception	
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV	
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects		
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine		
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents	

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☒ Metal	☒ Wood	☒ Soil
☒ Rubber (excluding tires)	☐ Demolition debris	☒ Plastic	☒ Wire	☒ Cable	☒ Cloth	☐ Insulation (non-Asbestosform)
☐ Cement & concrete	☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)					

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)		

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants		☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ *(If initialed, no radiological clearance is necessary.)*

The above mentioned waste was generated outside of a Controlled Waste Mana knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those m site. I have verified this through the waste characterization method identified at prohibited and allowable waste items.

Print Name: Robert Bunnert

Signature: /s/: Signature on File Date: 9/14/06

Radiological Survey Release for Waste Disposal

RCT Initials

___ This container/load meets the criteria for no added man-made radioactive material

JH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

___ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE: /s/: Signature on File **DATE:** 9-14-06

BN-0646 (10/05)

Note: Food waste, office trash and/or animal carcasses are considered not to contain added radioactivity, and therefore do not require a radiological clearance.

SWO USE ONLY

Load Weight (net from scale or estimate): 10760 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

(6)

Bechtel Nevada

NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 (9) LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Rob Baumert Phone Number: 5682 5577

Location / Origin: CAU 168 CAS 26-19-02 CWD #2

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☐ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☒ Metal	☒ Wood
☒ Soil	☒ Rubber (excluding tires)	☐ Demolition debris	☒ Plastic	☒ Wire	☒ Cable
☒ Cloth	☐ Insulation (non-Asbestosform)	☐ Cement & concrete			

☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)		

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge ☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ ***(If initialed, no radiological clearance is necessary.)***

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those m site. I have verified this through the waste characterization method identified ab prohibited and allowable waste items.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: 9/14/06

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

JH **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 9-14-06

BN-0646 (10/05)

Note: Food waste, office trash and/or animal carcasses are considered not to contain added radioactivity, and therefore do not require a radiological clearance.

SWO USE ONLY

Load Weight (net from scale or estimate): 14480 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

(15)

Bechtel Nevada — NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 (9) LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht / Rob Bammert Phone Number: 5682 5577

Location / Origin: C4u 168 CAS 26-19-02 Area 26 CWD #2

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☑ NTS	☐ Putrescible	☒ FFACO-onsite 9/20/06	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☒ Metal	☒ Wood
☒ Soil	☒ Rubber (excluding tires)	☐ Demolition debris	☒ Plastic	☒ Wire	☒ Cable
☒ Cloth	☐ Insulation (non-Asbestosform)	☐ Cement & concrete			

☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)		

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge ☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ *(If initialed, no radiological clearance is necessary.)*

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those ma site. I have verified this through the waste characterization method identified abo prohibited and allowable waste items.

Print Name: Robert Bammert

Signature: /s/: Signature on File Date: 9/18/06

Radiological Survey Release for Waste Disposal

RCT Initials

___ This container/load meets the criteria for no added man-made radioactive material

JH This container/load meets the criteria for Radcon Manual Table 4.2 release limits.

___ This container/load is exempt from survey due to process knowledge and origin.

SIGNATURE /s/: Signature on File DATE: 9-18-06

BN-0646 (10/05)

Note: Food waste, office trash and/or animal carcasses are considered not to contain added radioactivity and therefore do not require a radiological clearance.

SWO USE ONLY

Load Weight (net from scale or estimate): 20180 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

Bechtel Nevada

NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 9 LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Macht / Rob Baumert Phone Number: 5577 5682

Location / Origin: CAU 168 CAS 26-19-02 Area 26 CWD #2

Waste Category: (check one)		☐ Commercial	☒ Industrial	
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite 9/25/06	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☒ Rocks / unaltered geologic materials	☐ Empty containers
☒ Plastic	☒ Wire	☒ Cable	☒ Cloth	☐ Rubber (excluding tires)	☐ Demolition debris
☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)				☐ Insulation (non-Asbestosform)	☐ Cement & concrete

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)		

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants		☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ ***(If initialed, no radiological clearance is necessary.)***

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those n site. I have verified this through the waste characterization method identified a prohibited and allowable waste items.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: ~~9/21/06~~ 9/20/06

Radiological Survey Release for Waste Disposal

RCT Initials

_____ **This container/load meets the criteria for no added man-made radioactive material**

_____ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

_____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 9-20-06

BN-0646 (10/05)

Note: Food waste, office trash and/or animal carcasses are considered not to contain added radioactivity, and therefore do not require a radiological clearance.

SWO USE ONLY

Load Weight (net from scale or estimate): 21680 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

Bechtel Nevada

NTS Landfill Load Verification

(Waste definitions are available on page 2)

SWO USE (Circle One Area) AREA 23 6 9 LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave MacLat / Rob Baumert Phone Number: 5577 5683

Location / Origin: CAU 168 CAS 26-19-02 CAU #2

Waste Category: (check one)		☐ Commercial	☒ Industrial	095 9/25/06
Waste Type: (check one)	☒ NTS	☐ Putrescible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels-, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge; Animal carcasses-, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposed at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☒ Metal	☒ Wood
☒ Soil	☒ Rubber (excluding tires)	☐ Demolition debris	☒ Plastic	☒ Wire	☒ Cable
☒ Cloth	☐ Insulation (non-Asbestosform)	☐ Cement & concrete			

☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos: ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water separators
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground
☐ Hydrocarbons (contact SWO)		☐ Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill:

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants		☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ *(If initialed, no radiological clearance is necessary.)*

The above mentioned waste was generated outside of a Controlled Waste Mana knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those m site. I have verified this through the waste characterization method identified ab prohibited and allowable waste items.

Print Name: Rob Baumert

Signature: /s/: Signature on File Date: 9/21/06

Radiological Survey Release for Waste Disposal

RCT Initials

____ **This container/load meets the criteria for no added man-made radioactive material**

DH **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

____ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 9-21-06

BN-0646 (10/05)

Note: Food waste, office trash and/or animal carcasses are considered not to contain added radioactivity, and therefore do not require a radiological clearance.

SWO USE ONLY

Load Weight (net from scale or estimate): 21280 Signature of Certifier: /s/: Signature on File

BN-0918 (09/00)

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

08/ Re Page 1 o

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht/Rob Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 26-19-02 Area 26 CWD #2

Waste Category: (check one)		☐ Commercial	☒ Industrial CJS 10/4/06	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers	☐ Asphalt	☒ Metal	☒ Wood
☒ Soil	☒ Rubber (excluding tires)	☐ Demolition debris	☒ Plastic	☒ Wire	☒ Cable
☒ Cloth	☐ Insulation (non-Asbestosform)	☐ Cement & concrete			

☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-teme plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above ar prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: 10/03/06

Radiological Survey Release for Waste Disposal
RCT Initials

JH — **This container/load meets the criteria for no added man-made radioactive material**

___ **This container/load meets the criteria for Radcon Manual Table 4.2 release limits.**

___ **This container/load is exempt from survey due to process knowledge and origin.**

SIGNATURE: /s/: Signature on File **DATE:** 10-3-06

BN-0646 (10/05)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 4680 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

DAVE

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Dave Nacht/Rob Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 26-19-02 Area 26 CWD #2

Waste Category: (check one)		☐ Commercial	☒ Industrial GS 12/7/06	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☒ Paper	☒ Rocks / unaltered geologic materials	☐ Empty containers			
☐ Asphalt	☒ Metal	☒ Wood	☒ Soil	☒ Rubber (excluding tires)	☐ Demolition debris
☒ Plastic	☒ Wire	☒ Cable	☒ Cloth	☐ Insulation (non-Asbestosform)	☐ Cement & concrete

☒ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos	☐ Drained automobiles and military vehicles	☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)	☐ Drained fuel filters (gas & diesel)	☐ Deconned Underground and Above Ground Tanks
☐ Hydrocarbons (contact SWO)	☐ Other _____	

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge	☐ Rags	☐ Drained fuel filters (gas & diesel)	☐ Crushed non-terne plated oil filters
☐ Plants	☐ Soil	☐ Sludge from sand/oil/water separators	☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: RB **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: GS 12/06/06 ~~11/30/06~~

If applicable, place FRM-0646, "Radiological Release Sticker" here. Onsite use only.

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 20,000 Signature of Certifier: /s/: Signature on File

NSTec Form FRM-0918

NTS LANDFILL LOAD VERIFICATION

3

08/23/06 Rev. 0 Page 1 of 2

SWO USE (Select One) AREA ☐ 23 ☐ 6 ☒ 9 ☐ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GERERATOR INFORMATION

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: David Nacht/Rob Baumert Phone Number: 5577/5682

Location / Origin: CAU 168 CAS 26-19-02 Area 26 CWD #2

Waste Category: (check one)		☐ Commercial	☒ Industrial CJS 1-9-07	
Waste Type: (check one)	☒ NTS	☐ Putrescrible	☒ FFACO-onsite	☐ WAC Exception
	☐ Non-Putrescible	☐ Asbestos Containing Material	☐ FFACO-offsite	☐ Historic DOE/NV
Pollution Prevention Category: (check one)		☒ Environmental management	☐ Defense Projects	☐ YMP
Pollution Prevention Category: (check one)		☒ Clean-Up	☐ Routine	
Method of Characterization: (check one)		☒ Sampling & Analysis	☐ Process Knowledge	☐ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES

Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:

☐ Asphalt ☒ Metal ☐ Wood ☐ Soil ☐ Paper ☐ Rubber (excluding tires) ☐ Plastic ☐ Wire ☐ Cable ☐ Cloth ☐ Rocks / unaltered geologic materials ☐ Insulation (non-Asbestosform) ☒ Empty containers ☐ Demolition debris ☐ Cement & concrete

☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: ☐ Office Waste ☐ Food Waste ☐ Animal Carcasses

☐ Asbestos ☐ Friable ☐ Non-Friable (contact SWO if regulated load) Quantity: _____

Additional waste accepted at the Area 9 U10c Landfill:

☐ Non-friable asbestos ☐ Light ballasts (contact SWO) ☐ Hydrocarbons (contact SWO) ☐ Drained automobiles and military vehicles ☐ Drained fuel filters (gas & diesel) ☐ Other _____ ☐ Solid fractions from sand/oil/water ☐ Deconned Underground and Above Ground Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill: ☐ _____

☐ Septic sludge ☐ Plants ☐ Rags ☐ Soil ☐ Drained fuel filters (gas & diesel) ☐ Sludge from sand/oil/water separators ☐ Crushed non-teme plated oil filters ☐ PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: _____ **(if initialed, no radiological clearance is necessary.)**

The above mentioned waste was generated outside of a Controlled Waste Management knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials site. I have verified this through the waste characterization method identified above an prohibited and allowable waste items. I have contacted Property Management and hav is approved for disposal in the landfill.

Print Name: Robert Baumert

Signature: /s/: Signature on File Date: 1/08/07

Radiation Survey Release for Waste Disposal

RCT Initials

SAO	This container/load is free of external radioactive contamination.
	This container/load is exempt from survey due to process knowledge and origin.
	This container/load is free of radioactive contamination based on radioanalysis.

SIGNATURE: /s/: Signature on File DATE: 01-08-07

BN-0646 (09/99)

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 60 Signature of Certifier: /s/: Signature on File

NTS On-Site HazMat Transfer - Published

Tracking No: DPL07[illegible]2
Carrier: NSTEC
Vehicle: G82-06804 Trailers: E105690
Driver: JAMES (DANNY) CHIODO CDL: 2001107969 NV

Depart: 21-DEC-2006 ~~09:00~~ 1030 Arrival: 21-DEC-2006 ~~09:30~~ 1100

From: STEFAN DUKE
NSTEC
BASE CAMP
PHOENIX SITE / PLUTO MAGAZINE
MERCURY, NV 89023
Area: 26
Bldg: 2202
Phone: 702-295-7365
Alt Phone:
Mobile: 702-630-0423

To: MERL SCHWARTZWALTER
NSTEC
BASE CAMP
MERCURY, NV 89023
Area: 05
Bldg: 007
Phone: 702-295-6807
Alt Phone: 702-295-6811
Mobile:

Entered By: STEFAN DUKE Date Modified: 21-DEC-2006

Shipped Material(s)	Package(s)	Unit(s)	Guide No.
UN/NA 2912, RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), 7 WASTE RADIONUCLIDES:CS137,CO60,U234,U235,U238,PU239 PHYSICAL FORM:SOLID CHEMICAL FORM:OXIDE PACKAGE ACTIVITY 3.369E8 BQ CATEGORY:(LSA I) EXCLUSIVE USE SHIPMENT, FISSILE EXCEPTED	1 SEALAND CONTAINER	7080.00 KILOGRAM(S) (GROSS)	162
UN/NA 2910, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, LIMITED QUANTITY OF MATERIAL, 7 WASTE RADIONUCLIDES:CS137,CO60,U234,U235,U238,PU239 PHYSICAL FORM:SOLID CHEMICAL FORM:OXIDE PACKAGE ACTIVITY:4.598BQ CATEGORY: FISSILE EXCEPTED	1 BOX, B-25	708.00 KILOGRAM(S) (GROSS)	161
UN/NA 3321, RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), 7 WASTE RADIONUCLIDES:CS137,CO60,U234,U235,U238,PU239 PHYSICAL FORM:SOLID CHEMICAL FORM:OXIDE PACKAGE ACTIVITY:2.210E8 BQ CATEGORY:(LSA II) EXCLUSIVE USE SHIPMENT, FISSILE EXCEPTED	1 BOX, B-25	653.00 KILOGRAM(S) (GROSS)	162

NAME. /s/: Signature on File

DATE 21-Dec-2006 **24-Hr Emergency Response Number**
702-295-0311

NSTec RWP

Secondary Emergency Response Contact And/Or Comments
YUNKO LEE 295-[illegible]559

EMERGENCY RESPONSE

By Phone
702-295-0311

By Radio
'MAYDAY - MAYDAY - MAYDAY'

In the event of an incident involving Hazardous Material:

1. Gather HazMat shipping papers and NAER Guidebook
2. Isolate the immediate area
3. Assess the situation:
   a. Fire, Spill, or Leak?
   b. People, Property, or the Environment at risk?
4. Contact On-site Emergency Response Personnel

5. Reference On-Site HazMat Transfer Tracking Number

This is to certify that the above-named materials are properly classified, described, packaged, marked, placarded, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S Department of Transportation. As a signatory I certify that I have been trained and tested to the requirements of 49 CFR, Part 172-700 and is compliant with the NTS OTSD.

Authorized Signature: /s/: Signature on File Date: 12-21-06 Time: 1040

Received by: /s/: Signature on File Date: 12/21/06 Time: 1125.

NTS On-Site HazMat Transfer - Published

Tracking No: DPL07003
Carrier: NSTEC
Vehicle: G82-00063 Trailers: E98494
Driver: BERNARD SKINNER CDL: 2600764151 NV

Depart: 21-DEC-2006 10:45 Arrival: 21-DEC-2006 11:15

From: STEFAN DUKE
NSTEC
BASE CAMP
PHOENIX SITE / PLUTO MAGAZINE
MERCURY NV 89023
Area: 26
Bldg: 2202
Phone: 702-295-7365
Alt Phone:
Mobile: 702-630-0423

To: MERL SCHWARTZWALTER
NSTEC
BASE CAMP
MERCURY, NV 89023
Area: 05
Bldg: 007
Phone: 702-295-6807
Alt Phone: 702-295-6811
Mobile:

Entered By: STEFAN DUKE Date Modified: 21-DEC-2006

Shipped Material(s)	Package (s)	Unit(s)	Guide No.
UN/NA 2912, RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), 7 WASTE RADIONUCLIDES CS137,CO60,U234,U235,U238,PU239 PHYSICAL FORM:SOLID CHEMICAL FORM:OXIDE PACKAGE ACTIVITY:07L138-2.79E8 BQ, 07L136-3.239E8 BQ CATEGORY:(LSA I) EXCLUSIVE USE SHIPMENT. FISSILE EXCEPTED	2 SUPER SACK	17599.00 KILOGRAM(S) (GROSS)	162

NAME /s/: Signature on File
DATE 21-Dec-2006

24-Hr Emergency Response Number
702-295-0311

NSTec EMP

Secondary Emergency Response Contact And/Or Comments
YUNKO LEE 295-7559

EMERGENCY RESPONSE

By Phone
702-295-0311

By Radio
'MAYDAY - MAYDAY - MAYDAY'

In the event of an Incident involving Hazardous Material:

1. Gather HazMat shipping papers and NAER Guidebook
2. Isolate the immediate area
3. Assess the situation:
   a. Fire, Spill, or Leak?
   b. People, Property, or the Environment at risk?
4. Contact On-site Emergency Response Personnel
5. Reference On-Site HazMat Transfer Tracking Number

This is to certify that the above-named materials are properly classified, described, packaged, marked, placarded, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S Department of Transportation. As a signatory I certify that I have been trained and tested to the requirements of 49 CFR, Part 172-700 and is compliant with the NTS OTSD.

Authorized Signature: /s/: Signature on File Date: 12-21-06 Time: 1045

Received by: /s/: Signature on File Date: 12/21/06 Time: 1120

NTS On-Site HazMat Transfer - Published

Tracking No: DPL07004
Carrier: NSTEC
Vehicle: G8201138 Trailers: E103533
Driver: LLOYD STOCKWORTHY CDL: 1502037386 NV

Depart: 21-DEC-2006 1045 SD Arrival: 21-DEC-2006 1113 SD

From: STEFAN DUKE
NSTEC
BASE CAMP
PHOENIX SITE / PLUTO MAGAZINE
MERCURY, NV 89023
Area: 26
Bldg: 2202
Phone: 702-295-7365
Alt Phone:
Mobile: 702-330-0423

To: MERL SCHWARTZWALTER
NSTEC
BASE CAMP
MERCURY, NV 89023
Area: 05
Bldg: 007
Phone: 702-295-6807
Alt Phone: 702-295-6811
Mobile:

Entered By: STEFAN DUKE Date Modified: 21-DEC-2006

Shipped Material(s)	Package (s)	Unit(s)	Guide No.
UN/NA 2912, RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), 7 WASTE RADIONUCLIDES CS137,CO60,U234,U235,U238,PU239 PHYSICAL FORM:SOLID CHEMICAL FORM:OXIDE PACKAGE ACTIVITY:07L135-3.203E8 BQ, 07L134-3.062E8 BQ CATEGORY:(LSA I) EXCLUSIVE USE SHIPMENT, FISSILE EXCEPTED	2 SUPER SACK	18144.00 KILOGRAM(S) (GROSS)	162

NAME /s/: Signature on File

DATE 21-Dec-2006 24-Hr Emergency Response Number 702-295-0311

NSTec RWP

Secondary Emergency Response Contact And/Or Comments
YUNKO LEE 295-7559

EMERGENCY RESPONSE

By Phone
702-295-0311

By Radio
'MAYDAY - MAYDAY - MAYDAY'

In the event of an incident involving Hazardous Material:

1. Gather HazMat shipping papers and NAER Guidebook
2. Isolate the immediate area
3. Assess the situation:
   a. Fire, Spill, or Leak?
   b. People, Property, or the Environment at risk?
4. Contact On-site Emergency Response Personnel
5. Reference On-Site HazMat Transfer Tracking Number

This is to certify that the above-named materials are properly classified, described, packaged, marked, placarded, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S Department of Transportation. As a signatory I certify that I have been trained and tested to the requirements of 49 CFR, Part 172-700 and is compliant with the NTS OTSD.

Authorized Signature: /s/: Signature on File Date: 12-21-06 Time: 1045

Received by: /s/; Signature on File Date: 12/21/06 Time: 1120

APPENDIX E

USE RESTRICTION DOCUMENTATION

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CAU Use Restriction Information

CAU Number/Description: CAU 168: Area 25 and 26 Contaminated Materials and Waste Dumps

Applicable CAS Numbers/Descriptions: CAS 25-16-03, MX Construction Landfill

Contact (organization/project): NNSA/NSO Federal Sub-Project Director

Surveyed Area (UTM, Zone 11, NAD 27, meters):

UR Points	Northing	Easting
Southwest Corner	4,062,433.755	555,054.839
Southeast Corner	4,062,406.928	555,126.056
Northeast Corner	4,062,509.120	555,176.952
Northwest Corner	4,062,582.779	555,102.370

Survey Date: 10/19/2006 **Survey Method (GPS, etc):** GPS

Site Monitoring Requirements: Visual Inspections

Required Frequency (quarterly, annually?): Annually

If Monitoring Has Started, Indicate last Completion Date: N/A

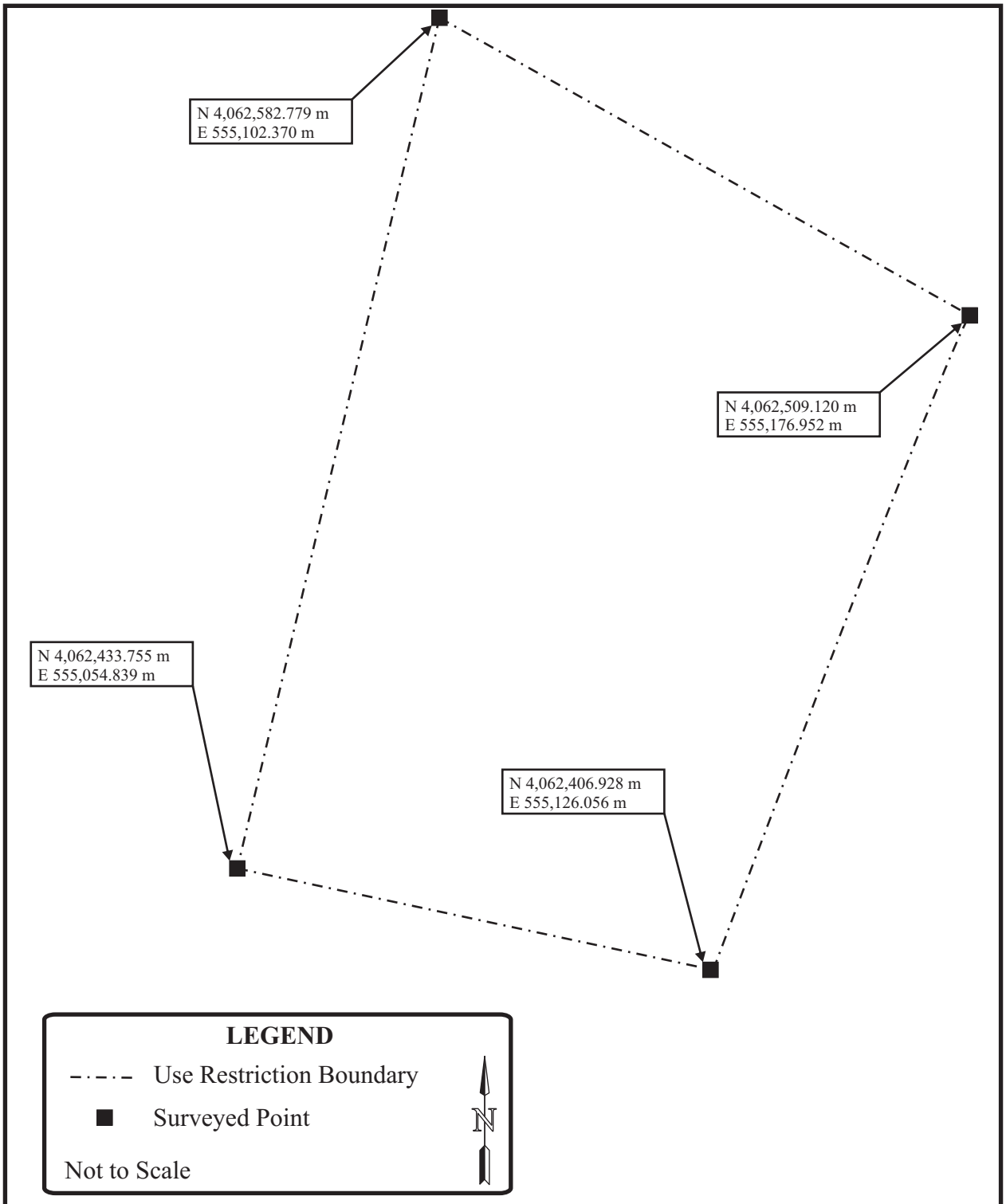
Use Restrictions

The future use of any land related to this Corrective Action Unit (CAU), as described by the above surveyed location, is restricted from any DOE or Air Force activity that may alter or modify the containment control as approved by the state and identified in the CAU Closure Report or other CAU documentation unless appropriate concurrence is obtained in advance.

Comments: See the Closure Report for additional information on the condition of the site(s) and any monitoring and/or inspection requirements.

Submitted By: /s/: Kevin Cabble **Date:** 12/21/06

cc with copy of survey map (paper and digital (dgn) formats):
CAU Files (2 copies)



CORRECTIVE ACTION SITE 25-16-03, MX CONSTRUCTION LANDFILL
USE RESTRICTION BOUNDARY

CAU Use Restriction Information

CAU Number/Description: CAU 168: Area 25 and 26 Contaminated Materials and Waste Dumps

Applicable CAS Numbers/Descriptions: CAS 25-23-02, Radioactive Storage RR Cars

Contact (organization/project): NNSA/NSO Federal Sub-Project Director

Surveyed Area (UTM, Zone 11, NAD 27, meters):

UR Points	Northing	Easting
Northwest Corner	4,075,083.684	562,792.961
North Center Point	4,075,142.000	563,044.126
Northeast Corner	4,075,125.915	563,213.207
Southeast Corner	4,074,912.749	563,213.969
South Center Point	4,074,906.492	563,125.262
Southwest Corner	4,075,060.918	562,789.768

Survey Date: 12/11/2006 **Survey Method (GPS, etc):** GPS

Site Monitoring Requirements: Visual Inspections

Required Frequency (quarterly, annually?): Annually

If Monitoring Has Started, Indicate last Completion Date: N/A

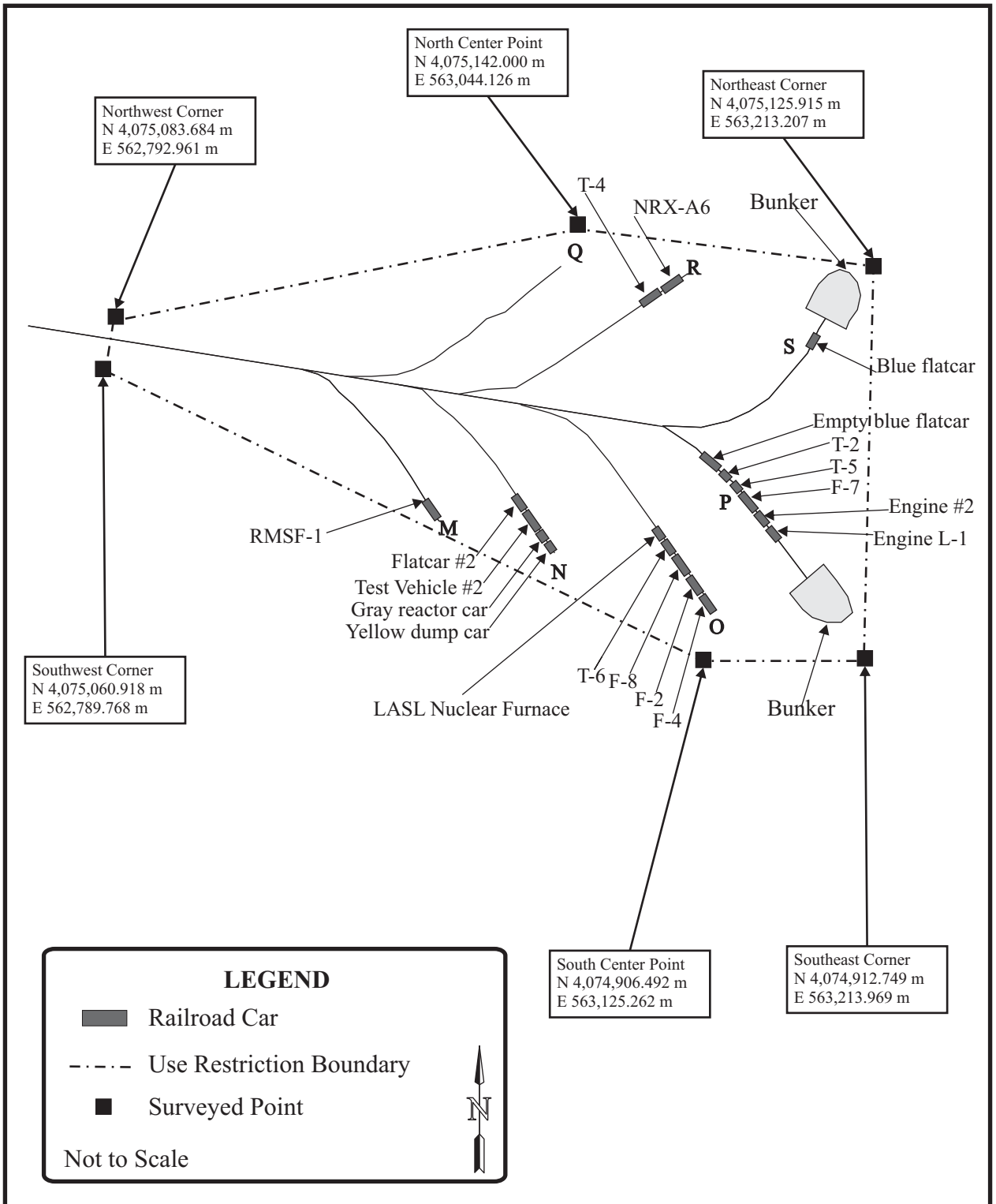
Use Restrictions

The future use of any land related to this Corrective Action Unit (CAU), as described by the above surveyed location, is restricted from any DOE or Air Force activity that may alter or modify the containment control as approved by the state and identified in the CAU Closure Report or other CAU documentation unless appropriate concurrence is obtained in advance.

Comments: See the Closure Report for additional information on the condition of the site(s) and any monitoring and/or inspection requirements.

Submitted By: /s/: Kevin Cabble **Date:** 12/21/06

cc with copy of survey map (paper and digital (dgn) formats):
CAU Files (2 copies)



CORRECTIVE ACTION SITE 25-23-02, RADIOACTIVE STORAGE RR CARS
USE RESTRICTION BOUNDARY

CAU Use Restriction Information

CAU Number/Description: CAU 168: Area 25 and 26 Contaminated Materials and Waste Dumps

Applicable CAS Numbers/Descriptions: CAS 25-99-16, USW G3

Contact (organization/project): NNSA/NSO Federal Sub-Project Director

Surveyed Area (UTM, Zone 11, NAD 27, meters):

UR Points	Northing	Easting
Southwest Corner	4,074,613.523	547,547.259
Southeast Corner	4,074,612.963	547,552.695
Northeast Corner	4,074,618.373	547,553.340
Northwest Corner	4,074,618.962	547,547.905

Survey Date: 12/07/2005 **Survey Method (GPS, etc):** GPS

Site Monitoring Requirements: Visual Inspections

Required Frequency (quarterly, annually?): Annually

If Monitoring Has Started, Indicate last Completion Date: N/A

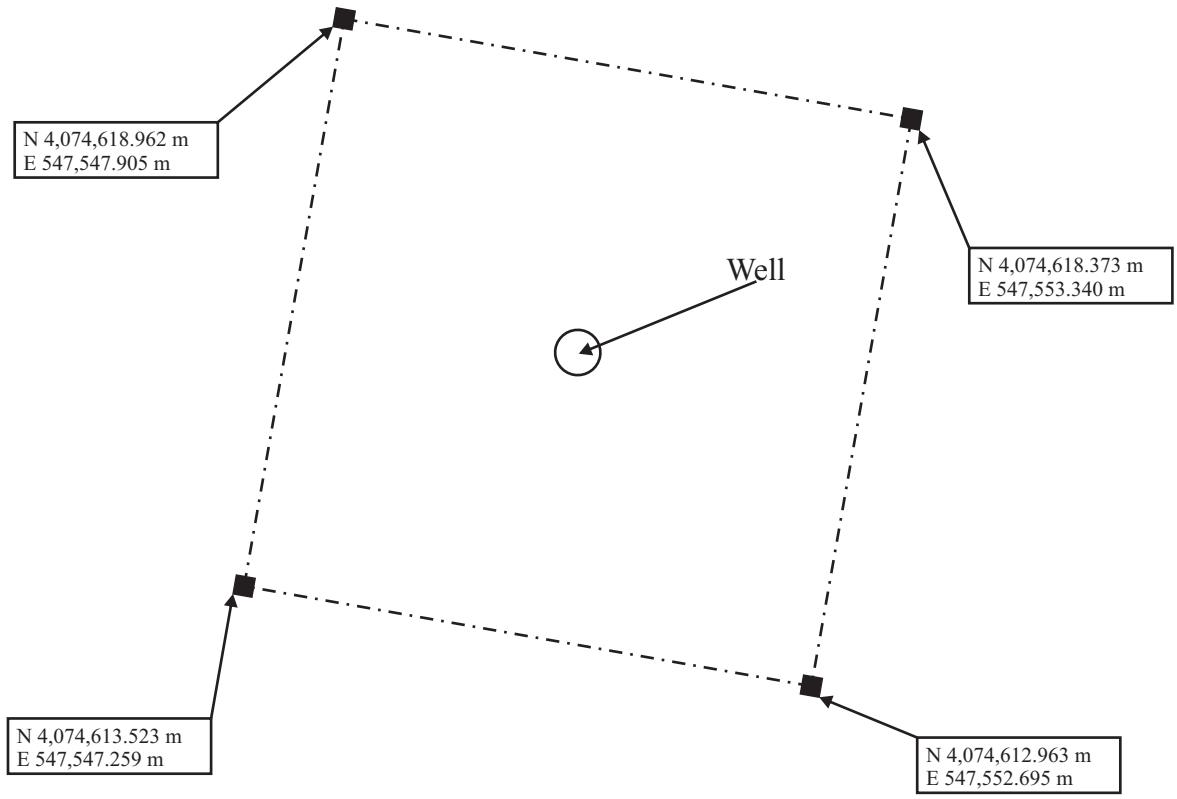
Use Restrictions

The future use of any land related to this Corrective Action Unit (CAU), as described by the above surveyed location, is restricted from any DOE or Air Force activity that may alter or modify the containment control as approved by the state and identified in the CAU Closure Report or other CAU documentation unless appropriate concurrence is obtained in advance.

Comments: See the Closure Report for additional information on the condition of the site(s) and any monitoring and/or inspection requirements.

Submitted By: /s/: Kevin Cabble **Date:** 12/21/06

cc with copy of survey map (paper and digital (dgn) formats):
CAU Files (2 copies)



LEGEND

Use Restriction Boundary

Surveyed Point

Not to Scale

N

CORRECTIVE ACTION SITE 25-99-16, USW G3
USE RESTRICTION BOUNDARY

APPENDIX F

SITE CLOSURE PHOTOGRAPHS

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PHOTOGRAPH LOG

CORRECTIVE ACTION SITE	PHOTOGRAPH NUMBER	DATE	PERSPECTIVE	DESCRIPTION
25-16-01, Construction Waste Pile	1	11/05/2003	Not Applicable	Total Petroleum Hydrocarbon-Impacted Soil Before Closure Activities
	2	04/20/2006	Facing North	Debris Excavation
	3	05/18/2006	Facing South	After Closure Activities
25-16-03, MX Construction Landfill	4	11/02/2004	Facing North	Debris to be Removed as a Best Management Practice
	5	12/13/2004	Facing North	Before Closure Activities
	6	10/03/2005	Facing Southwest	Soil Cover Installation
	7	05/16/2006	Facing East	Riprap Installation
	8	06/29/2006	Facing East	After Closure Activities
	9	06/29/2006	Facing North	Use Restriction Warning Sign
25-23-02, Radioactive Storage RR Cars	10	11/01/2006	Facing Southwest	Two Railroad Cars Posted as a Contamination Area
	11	12/14/2006	Facing Southeast	Sealed Pipe
25-23-13, ETL-Lab Radioactive Contamination	12	11/05/2003	Facing East	Oven Before Removal
	13	11/05/2003	Facing Northeast	Fume Hood Before Removal
	14	11/05/2003	Facing East	Paddle Mixer Before Removal
	15	11/05/2003	Facing West	Twin Shell Dry Blender Before Removal
	16	11/05/2003	Facing Northwest	Rooftop High-Efficiency Particulate Air Unit Before Removal
	17	09/13/2005	Facing West	Site of Twin Shell Dry Blender After Removal
	18	09/13/2005	Facing West	Paddle Mixer During Removal
	19	09/13/2005	Facing East	Site of Paddle Mixer After Removal
	20	09/14/2005	Facing West	Radiologically Impacted Equipment After Removal
	21	09/15/2005	Facing North	Oven and Fume Hood After Removal
25-23-18, Radioactive Material Storage	22	11/05/2003	Facing South	Storage Casks Before Removal
	23	11/05/2003	Facing Southeast	Gas Cylinders Before Removal
	24	12/08/2005	Facing West	Transportainer Contents Before Removal
	25	02/01/2006	Facing Northeast	Arial Photograph of Radioactive Material Storage Facility Before Closure Activities
	26	03/21/2006	Facing East	In-Situ Object Counting System Analysis of Storage Casks
	27	03/21/2006	Not Applicable	Open Storage Cask with Solid Contents
	28	07/17/2006	Not Applicable	Total Petroleum Hydrocarbon-Impacted Soil Excavation in South Bunker
	29	07/20/2006	Not Applicable	Polychlorinated Biphenyl-Impacted Soil Excavation near Railroad Spur "Q"
	30	07/20/2006	Facing East	Segregation and Size Reduction of Debris
	31	07/20/2006	Facing South	Designation of Forklifts as Low-Level Waste with Orange Spray Paint
	32	07/31/2006	Not Applicable	Lead Bricks
	33	11/01/2006	Facing Northeast	Blue Flatcar After Removal of Dicalite Bags
	34	11/01/2006	Not Applicable	Open Storage Cask

CORRECTIVE ACTION SITE	PHOTOGRAPH NUMBER	DATE	PERSPECTIVE	DESCRIPTION
	35	11/06/2006	Not Applicable	Open Storage Cask with Liquid
	36	11/06/2006	Not Applicable	Removal of Storage Cask Insert
	37	11/20/2006	Not Applicable	Liquid Pumped from Storage Casks in Drum
	38	12/14/2006	Not Applicable	Smoke Detectors in Drum Labeled "Lithium Hydride"
	39	12/19/2006	Facing Southeast	Storage Casks Loaded on Truck for Offsite Shipment
	40	12/19/2006	Not Applicable	Transportainer After Removal of Debris
	41	12/19/2006	Facing Southeast	After Removal of Debris Between Railroad Spurs "M" and "N"
25-99-16, USW G3	42	09/07/2005	Facing West	Before Closure Activities
	43	09/14/2005	Facing North	After Closure Activities
26-08-01, Waste Dump/Burn Pit	44	11/05/2003	Facing South	Debris Before Closure Activities
	45	07/13/2006	Not Applicable	Asbestos-Containing Material and Debris Before Closure Activities
	46	07/27/2006	Facing South	Designation of Debris as Sanitary Waste with Green Spray Paint
	47	10/11/2006	Facing South	Site at Beginning of Closure Activities
	48	10/11/2006	Facing Southeast	End-Dump Truck with "Burrito Bag" Truck Liner for Asbestos-Containing Material
	49	10/24/2006	Facing North	After Closure Activities
	50	10/24/2006	Facing East	After Closure Activities
	51	10/24/2006	Facing South	After Closure Activities
26-17-01, Pluto Waste Holding Area	52	11/05/2003	Facing West	Before Closure Activities
	53	08/30/2005	Facing South	Grouted Pipe
	54	08/30/2005	Facing Southwest	After Closure Activities
26-19-02, Contaminated Waste Dump #2	55	11/05/2003	Facing Northeast	Before Closure Activities
	56	08/31/2006	Facing West	Site Setup Before Closure Activities
	57	09/11/2006	Facing Southeast	Excavated Debris Including Asbestos-Containing Material
	58	09/11/2006	Facing Northwest	Excavated Debris
	59	09/12/2006	Not Applicable	Lead Bricks
	60	09/18/2006	Not Applicable	Staircase
	61	09/19/2006	Facing Northeast	Loading Low-Level Waste into B-25 Box
	62	10/02/2006	Not Applicable	Honeycombed Plate
	63	10/02/2006	Not Applicable	Flanged Steel Pipes
	64	10/04/2006	Not Applicable	Gas Cylinders
	65	10/05/2006	Facing Southwest	Low-Level Waste in Transportainer
	66	10/24/2006	Facing Southwest	Loading Low-Level Waste into Soft-Sided Containers
	67	10/26/2006	Facing Southwest	Low-Level Waste Packaged in Soft-Sided Containers
	68	11/15/2006	Facing Northeast	Concrete Retention Structure during Soil Removal

CORRECTIVE ACTION SITE	PHOTOGRAPH NUMBER	DATE	PERSPECTIVE	DESCRIPTION
	69	11/16/2006	Facing Northeast	Concrete Retention Structure during Final Radiological Survey
	70	11/17/2006	Not Applicable	Drain in Concrete Retention Structure
	71	12/18/2006	Facing Northwest	After Closure Activities

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Photograph 1: CAS 25-16-01, Total Petroleum Hydrocarbon-Impacted Soil Before Closure Activities, 11/05/2003

Photograph 2: CAS 25-16-01, Debris Excavation, Facing North, 04/20/2006

Photograph 3: CAS 25-16-01, After Closure Activities,
Facing South, 05/18/2006

Photograph 4: CAS 25-16-03, Debris to be Removed as a Best Management Practice,
Facing North, 11/02/2004

Photograph 5: CAS 25-16-03, Before Closure Activities,
Facing North, 12/13/2004

Photograph 6: CAS 25-16-03, Soil Cover Installation,
Facing Southwest, 10/03/2005

Photograph 7: CAS 25-16-03, Riprap Installation,
Facing East, 05/16/2006

Photograph 8: CAS 25-16-03, After Closure Activities,
Facing East, 06/29/2006

Photograph 9: CAS 25-16-03, Use Restriction Warning Sign, Facing North, 06/29/2006

Photograph 10: CAS 25-23-02, Two Railroad Cars Posted as a Contamination Area, Facing Northwest, 11/01/2006

Photograph 11: CAS 25-23-02, Sealed Pipe,
Facing Southeast, 12/14/2006

Photograph 12: CAS 25-23-13, Oven Before Removal,
Facing East, 11/05/2003

Photograph 13: CAS 25-23-13, Fume Hood Before Removal, Facing Northeast, 11/05/2003

Photograph 14: CAS 25-23-13, Paddle Mixer Before Removal, Facing East, 11/05/2003

Photograph 15: CAS 25-23-13, Site of Twin Shell Dry Blender Before Removal, Facing West, 11/05/2003

Photograph 16: CAS 25-23-13, Rooftop High-Efficiency Particulate Air Unit Before Removal, Facing Northwest, 11/05/2003

Photograph 17: CAS 25-23-13, Twin Shell Dry Blender After Removal, Facing West, 09/13/2005

Photograph 18: CAS 25-23-13, Paddle Mixer During Removal, Facing West, 09/13/2005

Photograph 19: CAS 25-23-13, Site of Paddle Mixer After Removal, Facing East, 09/13/2005

Photograph 20: CAS 25-23-13, Radiologically Impacted Equipment After Removal, Facing West, 09/14/2005

Photograph 21: CAS 25-23-13, Oven and Fume Hood After Removal, Facing North, 09/15/2005

Photograph 22: CAS 25-23-18, Storage Casks Before Removal, Facing South, 11/05/2003

Photograph 23: CAS 25-23-18, Gas Cylinders Before Removal, Facing Southeast, 11/05/2003

Photograph 24: CAS 25-23-18, Transportainer Contents Before Removal, Facing West, 12/08/2005

Photograph 25: CAS 25-23-18, Arial Photograph of Radioactive Material Storage Facility Before Closure Activities, Facing Northeast, 02/01/2006

Photograph 26: CAS 25-23-18, In-Situ Object Counting System Analysis of Storage Casks, Facing East, 03/21/2006

Photograph 27: CAS 25-23-18, Open Storage Cask with Solid Contents, 03/21/2006

Photograph 28: CAS 25-23-18, Total Petroleum Hydrocarbon-Impacted Soil Excavation in South Bunker, 07/17/2006

Photograph 29: CAS 25-23-18, Polychlorinated Biphenyl-Impacted Soil Excavation near Railroad Spur "Q," 07/20/2006

Photograph 30: CAS 25-23-18, Segregation and Size Reduction of Debris, Facing East, 07/20/2006

Photograph 31: CAS 25-23-18, Designation of Forklifts as Low-Level Waste with Orange Spray Paint, Facing South, 07/20/2006

Photograph 32: CAS 25-23-18, Lead Bricks, 07/31/2006

Photograph 33: CAS 25-23-18, Blue Flatcar After Removal of Dicalite Bags, Facing Northeast, 11/01/2006

Photograph 34: CAS 25-23-18, Open Storage Cask, 11/01/2006

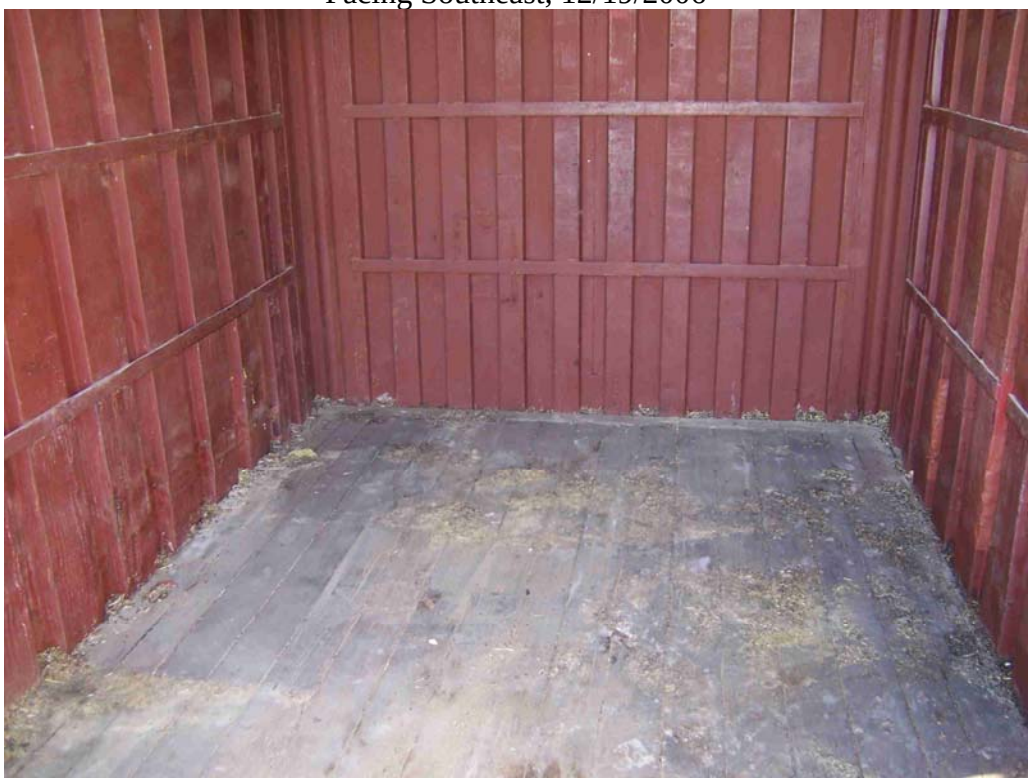
Photograph 35: CAS 25-23-18, Open Storage Cask with Liquid, 11/06/2006

Photograph 36: CAS 25-23-18, Removal of Storage Cask Insert, 11/06/2006

Photograph 37: CAS 25-23-18, Liquid Pumped from Storage Casks in Drum, 11/20/2006

Photograph 38: CAS 25-23-18, Smoke Detectors in Drum Labeled "Lithium Hydride," 12/14/2006

Photograph 39: CAS 25-23-18, Storage Casks Loaded on Truck for Offsite Shipment, Facing Southeast, 12/19/2006



Photograph 40: CAS 25-23-18, Transportainer After Removal of Debris, 12/19/2006

Photograph 41: CAS 25-23-18, After Removal of Debris Between Railroad Spurs "M" and "N," Facing Southeast, 12/19/2006

Photograph 42: CAS 25-99-16, Before Closure Activities, Facing West, 09/07/2005

Photograph 43: CAS 25-99-16, After Closure Activities,
Facing North, 09/14/2005

Photograph 44: CAS 26-08-01, Debris Before Closure Activities,
Facing South, 11/05/2003

Photograph 45: CAS 26-08-01, Asbestos-Containing Material and Debris Before Closure Activities, 07/13/2006

Photograph 46: CAS 26-08-01, Designation of Debris as Sanitary Waste with Green Spray Paint, Facing South, 07/27/2006

Photograph 47: CAS 26-08-01, Site at Beginning of Closure Activities, Facing South, 10/11/2006

Photograph 48: CAS 26-08-01, End-Dump Truck with "Burrito Bag" Truck Liner for Asbestos-Containing Material, Facing Southeast, 10/11/2006

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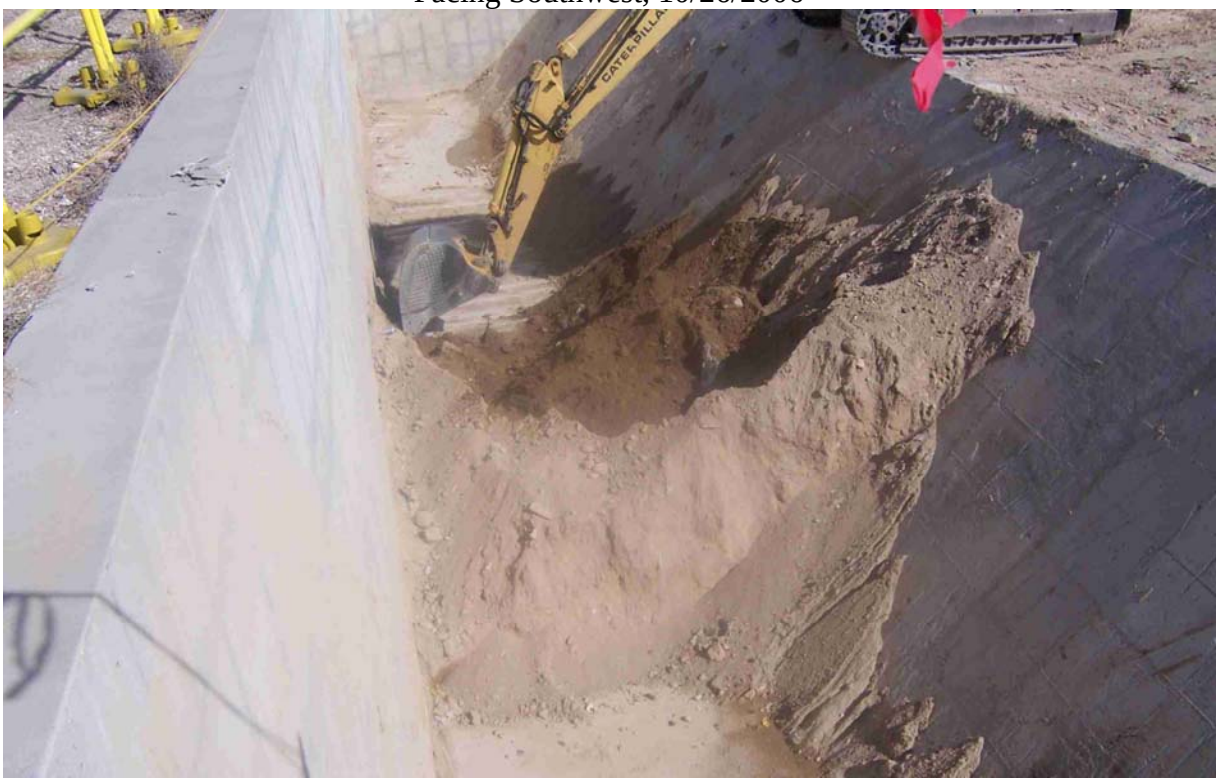

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